SITE ASSESSMENT REPORT
FOR
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY, ILLINOIS
TDD: S05-9910-003
PAN: 059C0301SIXX

February 28, 2000

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency and Enforcement Response Branch
77 West Jackson Boulevard
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1. Introduction

The United States Environmental Protection Agency (U.S. EPA) tasked the Superfund Technical Assessment and Response Team (START) contractor Ecology and Environment, Inc. (E & E), under Technical Direction Document (TDD) S05-9910-003, to assess site conditions and threats to human health and the environment of the eight, currently vacant, buildings of the former W.T. Rawleigh Company site, located in Freeport, Stephenson County, Illinois.

2. Site Background

2.1 Site Description

The W.T. Rawleigh Company complex (Rawleigh Building) is located in the Freeport East quadrangle and the northeast quarter of Section 31, Township 27 North, Range 08 East, in the City of Freeport, Stephenson County, Illinois (Appendix A, Figure 1). The Rawleigh Building site is located on approximately two city blocks, bordered to the north by East Main Street, to the south by East Spring Street, to the west by South Adams Street, and to the east by the Chicago Central and Pacific Railroad. The site is divided into quarters by South Liberty Street from north to south and an alleyway from east to west (Appendix A, Figure 2).

A total of eight buildings are located on the site. Buildings 1, 2, and 3, reportedly constructed in 1904, 1912, and 1956, respectively, are six-story, brick, interconnected, manufacturing and warehouse structures, with full basements, and are located on the northeast corner of the intersection of East Spring and South Liberty Streets. Building 4, reportedly constructed in 1912, is an eight-story, brick manufacturing and warehouse structure with a full basement and is located directly north of buildings 1, 2 and 3, on the northeast quarter of the site. Building 4 is connected to buildings 2 and 3 by an enclosed walkway on two floors and a small tunnel in the basement. Building 5 is an "L" shaped, six-story brick structure with a full basement, reportedly constructed in 1926 and used for manufacturing and warehouse purposes. This building is located on the southwest quarter of the site and is connected with enclosed walkways to building 2 on five floors and to building 8 on one floor. An additional four-story tower holding the facilities water tanks is also part of this building. Building 6 is a one-story brick structure with a full basement, and reportedly constructed in 1924 as the power plant for the site. This structure is located directly south of building 5 on the southwest quarter of the site. Building 7 is a one-story brick garage, reportedly constructed in 1934, and was utilized for the parking of W.T. Rawleigh executives. This structure is located directly north of building 5 on the northwest quarter of the site. Building 8 is a two-story brick office building, reportedly constructed in 1954. This structure is located directly north of building 5 on the southwest corner of the intersection

of South Liberty and East Main Streets. U.S. EPA and START did not have access to buildings 7 and 8 at the time of the site assessment, however, all remaining buildings on the site were inspected. A small asphalt paved parking lot is located between buildings 7 and 8 on the northwest quarter of the site. The remaining portions of the site are covered with gravel and low lying vegetation. Two residential structures that are not part of the site, are located on the southeast corner of the intersection of East Main and South Adams Streets, directly adjacent to building 7. No fence or other form of barrier is present around the perimeter of the site. The public has full access to the site and interior portions of the site buildings through several broken windows of building 6 and at least two broken and unlocked doors located on the north and south sides of building 5.

A Phase I Environmental Assessment was conducted at the Rawleigh Building site by Mostardi Platt Associates, Inc. in January of 1992. This Phase I assessment found five environmental concerns regarding the site at that time. These concerns were the friable and non-friable asbestos-containing materials (ACM) such as thermal system insulation and floor tile found throughout the site buildings. A large quantity of potentially hazardous chemicals were found stored in various areas of the site buildings. Waste ash from incineration activities in building 6 and a total of ten underground storage tanks (USTs) were identified on the site along the eastern, western, and southern borders. In addition, at least 25 electrical transformers were found throughout the buildings.

2.2 Site History

The site was originally developed with several one- to three-story residential and commercial structures as denoted on the 1890 and 1897 Sanborn maps. On the 1904 Sanborn map the southeast quarter of the site was developed with building 1 and two additional structures, all denoted as the W.T. Rawleigh Medical Company. The remaining portions of the site were denoted as vacant land or developed with residential and commercial structures. The 1910 Sanborn map denoted the presence of buildings 1 through 3 on the southeast quarter of the site and was denoted as the W.T. Rawleigh Medical Company. The remaining portions of the site were denoted as vacant land or developed with residential and commercial structures. On the 1918 Sanborn map, the southeast and northeast quarters of the site were developed with buildings 1 through 4 and denoted as the W.T. Rawleigh Medical Company. The remaining portions of the site were vacant land or developed with residential and commercial structures. On the 1925 Sanborn map the southeast and northeast quarters of the site remained unchanged. However, the southwest quarter of the site was developed with two, one-story

structures and denoted as a part of the W.T. Rawleigh Medical Company complex. The final Sanborn map, dated 1950, denoted the development of the southwest quarter of the site with buildings 5 and 6, and building 7 on the western half of the site. All were denoted as the W.T. Rawleigh Medical Company.

The W.T. Rawleigh Medical Company manufactured pet food, personal grooming supplies, dishwashing agents, and various cleaning products at portions of the site since at least 1904. In addition, portions of the site buildings have been used by other companies such as the Freeport Electrical Company, Freeport Hardwood Company, Honeywell Systems, and the Micro-Switch Company. The buildings have been vacant since at least 1988. No wastes are currently being generated on site. Building 7 is currently being used for the storage of several automobiles and other materials.

In September 1999, the Rawleigh Building site was referred to the Illinois EPA after a Freeport youth reportedly found and removed free-standing mercury from site building 6 (power plant). Consequently, the youth's residence became contaminated with mercury and required an emergency cleanup, completed in October 1999, to decontaminate the residence. This action prompted U.S. EPA to conduct a removal site assessment of the Rawleigh Building site in November 1999. This site is also a potential Brownfields site, consequently the City of Freeport may have access to grant money and low cost loans from the State of Illinois.

3. Site Assessment

3.1 Site Reconnaissance

The site assessment was conducted on November 15 through 17, 1999. U.S. EPA On-Scene Coordinator (OSC) Fred Bartman and START members Eric Reuscher and John Nordine were on site to assess the property and collect samples. Photodocumentation of the site conditions is presented in Appendix B. All buildings are constructed of masonry, with concrete, floor tile, wood, or brick floors. The walls and ceilings are painted plaster/drywall or concrete with approximately 50 fluorescent light fixtures per floor, per building. Visual inspection of the buildings revealed numerous piles of animal feces, trash and broken glass. Most of the floors were covered by paint chips and paper debris. Electricity and water have been disconnected from the buildings. Although the buildings appear structurally stable, some physical damage to the exterior of building 6 and to the enclosed walkway between building 5 and building 2 was noted.

Several ladders were observed throughout the buildings. Many appeared to have been deliberately placed and used by trespassing junk collectors for the purpose of cutting away asbestos containing thermal system insulation to determine if overhead pipes are steel, iron, or copper. It should be noted that while the site assessment was being conducted, two individuals were found walking the complex.

OSC Bartman and START entered the boiler room of building 6 and observed two areas where the word mercury was written on the floor indicating the location of a mercury spill. Several hundred droplets of mercury were observed in and around these two areas. Also observed was one waste medical syringe lying on the floor. An electrical switch control board and three electrical transformers were observed along the north wall of this room. Due to the age of building 6 it is possible that these switches and transformers may contain polychlorinated biphenyls (PCBs). Three exterior electrical transformers are located on the southwest end of building 5 and approximately 22 additional floor or wall mounted electrical transformers are located on individual floors throughout buildings at the site.

START observed the storage of approximately 93 drums, ranging in size from 30 to 55 gallons, throughout the buildings, with the highest number of drums occurring on the first floor and basement of building 6, the basement of buildings 1 and 2, and the first floor of building 3. In addition, hundreds of smaller containers of 20 gallons or less were observed throughout the buildings, the majority of these containers being found in the basement of building 6 and buildings 1 and 2. These drums ranged in construction material from steel to plastic and from good to very poor condition.

On the 5th floor of building 1, START observed a large number of open and unopened one gallon or less sized containers. These contained test samples of different pet care products produced by the W.T. Rawleigh Company. In addition, a smaller room on the 5th floor was observed to have been a test sample storage room containing several small containers of "double action insect killer", pet shampoo, and pet deodorizer. A third room appeared to be a laboratory chemical storage room, containing several hundred small jars of various chemicals including hydrophosphorous acid-14.5%, sulfuric acid, alcohols, two compressed gas cylinders labeled chlorine gas, and three compressed gas cylinders labeled sulfur dioxide. These areas showed evidence of being vandalized at the time of the site assessment. Jars, bottles, boxes of paper products and other containers were broken or scattered throughout the floor.

The site assessment also confirmed the presence of a total of ten USTs located on the site. Five fill and vent pipes, reported to be associated with 250-gallon USTs and to have contained solvents, were observed along the west wall of building 6. Three vent and fill pipes reported to be associated with 10,000-gallon fuel oil USTs were observed along the south wall of building 6. In addition, two concrete pads with vent pipes and manways, and reportedly associated with a 10,000-gallon kerosene and a 10,000-gallon ammonia UST, were observed along the east wall of building 4.

A total of twenty-eight aboveground storage tanks (ASTs) were identified throughout the buildings. Tanks 1 through 9 appear to be 200 to 2,000 gallon ASTs, located on the first floor and basement of building 6. These ranged from steel water tanks with suspect asbestos-containing jackets to plastic water tanks that appeared to part of a water filtration system located a small room on the first floor of building 6. Tank 10 is an approximately 1,000-gallon AST located in the northwest corner of the basement of building 5. All remaining ASTs are located in the basement of building 4. Tanks 11 and 12, are 30,000-gallon rectangular ASTs, labeled "Bronco Solvent" and "cocoanut oil" respectively, and both appear to be empty. Tanks 13 through 24 are 3,200-gallon ASTs located in rows in the northeast portion of the basement. Tanks 13 and 15 are labeled "Pyrethro"; tanks 16, 17, and 19 are

labeled kerosene; tanks 18 and 20 are labeled repellent; and tank 24 is labeled DDT. All remaining tanks were not labeled. Tanks 25 through 28 are 10,000-gallon ASTs, located in a room directly south of tanks 13 through 24. Tank 26 was labeled as "mineral oil", tank 27 was labeled as "mineral seed oil", and tank 28 was labeled as "mineral seal oil". START donned level B personal protective equipment (PPE), and proceeded to air monitor using a photoionization detector (PID) tanks 13 through 24 to determine if any of the ASTs contained product. In addition, a measuring tape was used to determine the actual product levels of the tanks. Tank 13 contained approximately 3.4 inches of product and a PID reading of 3 parts per million (ppm). Tank 15 contained approximately 7.5 inches of product and a PID reading of 5 ppm. Tank 18 contained approximately 1 inch of product and no organic vapors. Tank 19 was dry but a PID reading of 6 ppm was detected. Tanks 20 and 21 were dry with no PID readings.

Other potential hazards include the contents of the drums located throughout the site. These hazards were confirmed by labels found on the drums and containers. These hazardous chemicals and substances include poisons, chlorinated solvents, flammables, acids, and formaldehyde (Appendix D).

3.2 Sampling Activities

A total of 12 samples were collected on November 16th, 1999, and sampling activities were conducted by START in level B PPE (Appendix A, Figure 3). Four suspect ACM samples were collected from the first floor and basement of building 6. A total of six samples were collected from various drums located on the first floor and basement of building 6, basement of building 1, and the first floor of building 3. Three drums were sampled for pH, one drum for formaldehyde, one drum for flash point, semivolatile and volatile organic compounds, and one drum for semivolatile and volatile organic compounds. In addition, START measured the depth of product in the kerosene UST at 2 feet and 10 inches. A sample was then collected of this UST. The sample appeared to be a clear yellow liquid with a petroleum odor. This sample was to be analyzed for flash point, and semivolatile and volatile organic compounds. One sample for flash point, pesticides, and semivolatile and volatile organic compounds was collected from tank 13, located in the basement of building 4.

4. Analytical Results

All samples were shipped to EIS Analytical Services, Inc., South Bend, Indiana via Federal Express under analytical TDD S05-9910-801. The validated analytical data packages are included in Appendix F. Analytical results for all samples are summarized in Tables 1 through 4, which are presented in Appendix C.

Analytical results of drum sample D041, located on the first floor of building 3, contained 1,610 micrograms per liter (μg/L) of formaldehyde. Analytical results indicated that drum sample D002 was a base with a pH of 12.5 standard units, and drum sample D003 and D093 were acids, each with a pH of less than 1 standard unit. Drum samples D069 and D070 were analyzed for volatile organic compounds (VOCs) and flash point. In addition, sample D069 was analyzed for semivolatile organic compounds (SVOCs). Sample D069 was determined to have a flash point of less than 81 degrees Fahrenheit and sample D070 was determined to have a flash point of 91 degrees Fahrenheit. No VOCs or SVOCs were detected in these two samples. Methylnaphthalene, at a concentration of 5,510 milligrams per liter (mg/L) and naphthalene, at a concentration of 850 mg/L were detected in sample UST-1, along with a flash point of greater than 201 degrees Fahrenheit. Total petroleum hydrocarbons (TPH [DRO/GRO]) were detected at a concentration of 967,000 ppm in sample UST-1. Analytical results for sample T013 indicated a flash point of greater then 201 degrees Fahrenheit and methylnaphthalene at a concentration of 5,060 mg/L. No semivolatile or pesticide compounds were detected for sample T013.

5. Discussion of Potential Threats

Conditions present at the Rawleigh Building site which warrant an appropriate removal action as set forth in paragraph (b) (2) of Section 300.415 of the National Oil and Hazardous Substances Contingency Plan (NCP) include:

- **Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants.** Local residents and children have access to hazardous materials at the site. Documented vandalism and observation of unauthorized individuals walking through buildings during the site inspection indicate accessability at the site. Trespassers may come in contact with toxic, corrosive, and flammable chemicals found in various portions of the site. Free-standing metallic mercury and friable ACM were documented as being present at the site. No form of barrier to restrict access is currently present.

  Per the August 1997 Toxicological Profile for Mercury, drafted by the Public Health Service Agency for Toxic Substances and Disease Registry (ASTDR), metallic mercury can enter the body by inhalation and ingestion. Exposure to sufficiently high levels can permanently damage a person's brain, kidneys, and a developing fetus. Short-term exposure to high levels of metallic mercury vapor in the air can damage the lungs, cause nausea, vomiting, or diarrhea, cause increases in blood pressure or heart rate, and cause skin rashes or eye irritation.

  Per the August 1995 Toxicological Profile for Asbestos, drafted by ASTDR, asbestos enters the human body by inhalation or ingestion. Asbestos is considered a known human cancer-causing substance with a prolonged latency period between 10 and 40 years. The inhalation of asbestos fibers has been shown to cause the buildup of scare tissue in the human lung, which may lead to the development of a fatal form of human cancer called asbestosis.

  Additional consideration should be given to emergency response personnel, such as police and fire fighters, who are likely to respond to emergencies at the facility and are likely to receive chemical exposure.

- **Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, may pose a threat of release.** The Rawleigh Building complex has numerous tanks and drums containing materials that are acutely toxic, carcinogenic, and flammable. Many drums in the complex are in a deteriorated condition, showing signs of rust or physical damage. The integrity of the USTs and ASTs is also in question. Many of these tanks still contain hazardous material. An additional concern is the presence of hundreds of containers of unknown substances, laboratory chemicals, and two compressed gas cylinders labeled chlorine gas and three cylinders labeled sulfur dioxide on the 5th floor of buildings 1 and 2.

- **Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.** Weather conditions may cause further deterioration of drums, tanks and other containers holding hazardous materials stored on site, leading to releases of these materials. Rain events through broken windows and leaking roofs, along with freezing and thawing of containers, could cause a rupture and release of container contents to the environment.

- **Threat of fire or explosion**. Large amounts of combustible material such as paper and several flammable substances were identified on site, including isopropanol and kerosene. If exposed to an ignition source, these substances could ignite or explode. Incompatible materials, including acids and bases, were observed stored in close proximity. If these incompatible materials were to come into contact with one another, the resulting reaction could cause fire or explosion. In the event of a fire or explosion, a toxic plume, consisting of asbestos, lead (paint chips), mercury (switches), PCB's (transformers and light ballasts), and combustion products of drums could impact the surrounding businesses and residents of Freeport.

6. Removal Cost Estimate

Conditions observed at the Rawleigh Building site warrant a removal based upon the total accessability of the site buildings to the public and the possible health and safety risks from these buildings and their contents. Threats identified include the presence of ACM on site, free-standing mercury on the first floor of building 6, and the presence of highly toxic, corrosive, and flammable chemicals found within the Rawleigh Building site.

Two cost estimates were derived by START using the Removal Cost Management System (RCMS) Cost Projection Module version 4.2 software. At the request of OSC Bartman, START developed two cost estimates for the removal and disposal of all hazardous chemicals or substances on site. The first cost estimate is for the removal of approximately 2,500 liner feet of damaged and undamaged friable asbestos-containing thermal system insulation. A removal action to complete this work, conducted over a period of thirty 10-hour working days, would cost approximately $293,688 dollars. The second cost estimate is for the removal of approximately 5,000 square feet of lead paint chips, the removal of all USTs, decontamination of some or all ASTs, and the removal and disposal of all hazardous chemicals or substances on site. A removal action to complete this work, conducted over a period of sixty 10-hour working days, would cost approximately $939,462 dollars. It should be noted that at the completion of this removal, approximately 10,000 liner feet of undamaged/damaged friable asbestos and thousands of square feet of lead paint chips will be left on site. Only those areas directly affected by removal activities will have ACM and lead paint chips removed for the occupational and public safety of the cleanup workers and the City of Freeport.

6.1 General Assumptions

- Cleanup contractor costs use the rates of the Emergency and Rapid Response Services (ERRS) contractor for Region 5;
- U.S. EPA will provide one OSC for the entire project;

- START will provide one environmental scientist for the entire duration of the project;
- All chemical waste material and products will be removed from the buildings and disposed of. Wastestreams will include flammable liquids, petroleum products, PCB-contaminated oil, corrosive liquids, poisonous liquids, gas cylinders, damaged friable asbestos, and lead;
- Costs include contractor and site contingencies of 20 percent; and
- The development of a health and safety plan for the removal action is included in the cost estimate.

6.2 Operations

Operations during the removal action will include:

- Excavation and removal of residual product, cleaning, and removal of ten USTs located on the site;
- Excavation of contaminated soils surrounding the USTs on the eastern, southern and western sections of the site;
- Removal and cleaning of residual product from all ASTs and rendering the ASTs useless;
- Categorization, removal, and disposal of chemicals and hazardous substances found inside the site buildings;
- Removal and disposal of debris (including lead paint chips) in the site buildings to allow for the removal and disposal of other wastes;
- Removal and disposal of damaged friable asbestos containing thermal system insulation in the site buildings to allow for the removal and disposal of other wastes; and
- Backfill of all excavations.

Operations for both cost estimates were estimated to require a total of ninety 10-hour work days to complete. The cost estimate includes funding for one OSC, one START member, and a crew of 14 Emergency and Rapid Response Services (ERRS) staff. The ERRS staff consists of one Response Manager, one financial cost accountant, one industrial hygienist/safety, one T&D coordinator, one foremen, two operators, two truck drivers, and five cleanup technicians. It should be noted that the ERRS staff needed for the asbestos removal cost projection is a total of 12. The cost of the equipment

required to excavate the soil, load trucks for disposal, and to backfill the excavations is included in the cost estimate. The amount of backfill soil required to fill the excavations was estimated to be approximately 1,200 tons. In addition, the cost of equipment required to remove asbestos and lead from work areas so that access can be safely gained to other wastes is also included. Also included in the site budget is the cost of a rental office space, a computer, a copier, and a fax machine for administrative tasks.

6.3 Transportation and Disposal

The majority of the costs for the site are included under transportation and disposal. The cost estimate is based upon the disposal of 200 tons of petroleum-contaminated soil, 100 tons of ACM and lead material, and 30 tons of hazardous chemical waste. The estimated costs are based upon disposal in a U.S. EPA-approved landfill within the states of Illinois, Kansas, Pennsylvania, and Michigan.

6.4 Analytical

The analytical requirement of the project will consist of collecting and analyzing contaminated soil, asbestos, PCB, and lead samples. The RCMS cost estimate includes funding for a total of 65 confirmation soil samples from all excavation areas, 20 asbestos confirmation samples, 20 PCB oil confirmation samples, and 20 lead paint confirmation samples of various areas throughout the site.

6.5 Demobilization

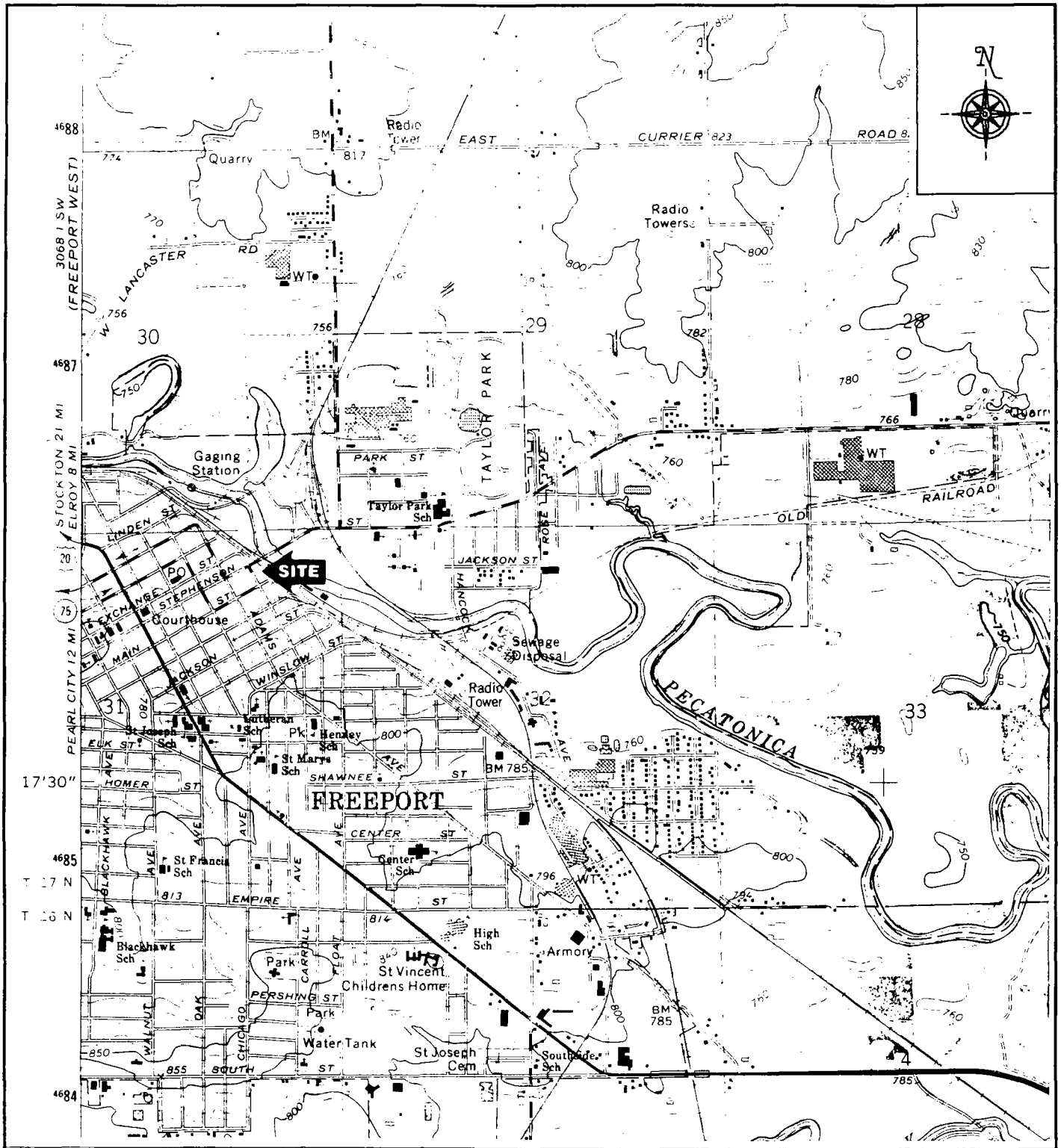
This phase will include removal of all residual waste materials, dismantling the office base, and demobilization of both equipment and crew. Demobilization of both equipment and personnel is budgeted for six 10-hour days.

7. Summary

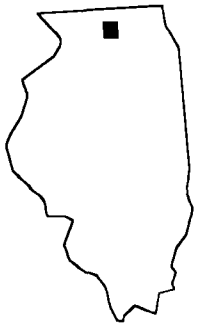
The Rawleigh Building site is located at 223 East Main Street, Freeport, Stephenson County, Illinois. The site is the former location of the W.T. Rawleigh Medical Company. U.S. EPA conducted a site assessment of the abandoned property on November 15 through 17, 1999, and discovered the presence of hazardous substances. The presence of corrosives, mercury, flammables, and asbestos pose an immediate threat to human health and the environment. Access to the site buildings and grounds by persons and animals is likely, which would increase the risk of the exposure to these substances.

Appendix A

Figures



Quadrangle Location



Illinois

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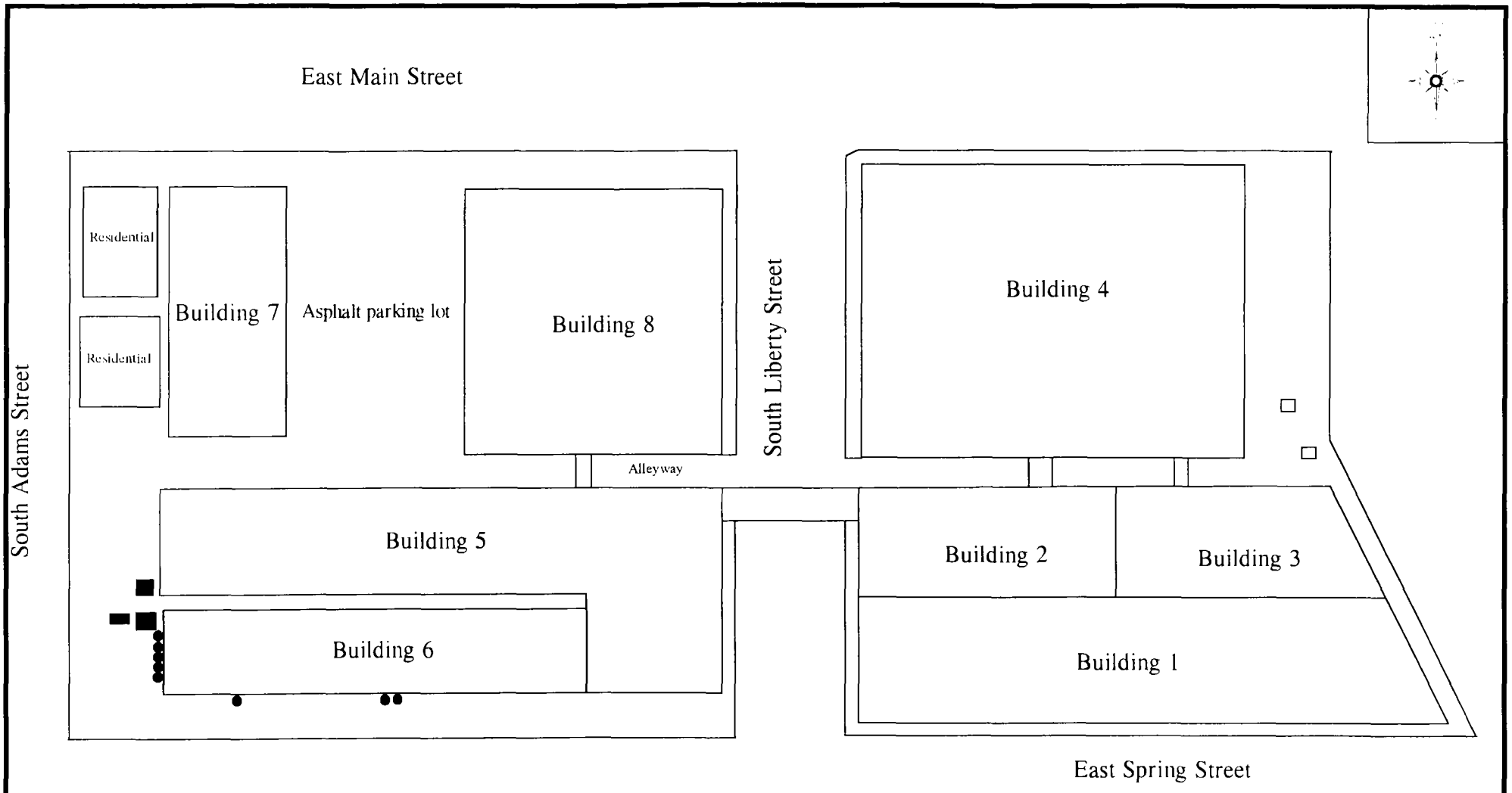
Superfund Technical Assessment and Response Team
Region 5
33 North Dearborn Street, Chicago, Illinois 60602

Title	Site Location Map		Figure 1
Site	Rawleigh Building		Scale 1:24000
City	Freeport	State Illinois	TDD S05-9910-003
Source	U.S.G.S. 7.5 Minute Series - Freeport East, Il Quadrangle		Date 1971, 1978



Legend

- Concrete UST manways
- Electrical padmounted transformers
- UST vent and fill pipes

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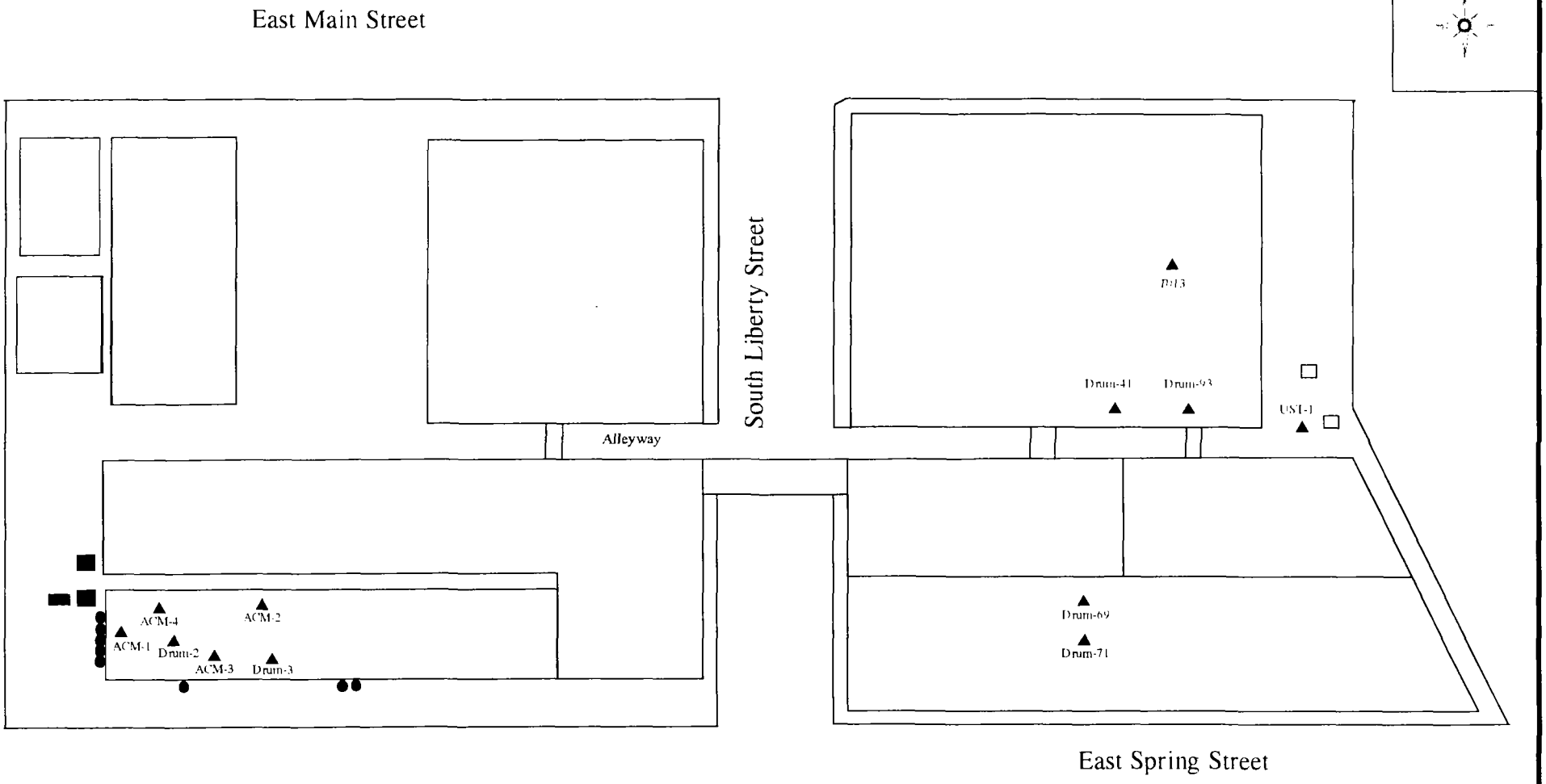
33 North Dearborn Street, Chicago, Illinois 60602

Title	Site Features Map	Figure	2
Site	Rawleigh Building	Scale	Not to scale
City	Freeport State Illinois	TDD	S05-9910-003
Source	Ecology and Environment, Inc.	Date	February 24, 2000



A-4

Legend

▲ = Sample location

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Region 5
33 North Dearborn Street, Chicago, Illinois 60602

Title	Sample Location Map	Figure	3
Site	Rawleigh Building	Scale	Not to scale
City	Freeport State Illinois	TDD	S05-9910-003
Source	Ecology and Environment, Inc.	Date	February 24, 2000

Appendix B

Photodocumentation

1

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of site.

Date: 11/15/99
Direction: Northeast

Time: 1045
Photographer: E. Reuscher

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of broken windows on south side of building 6.

Date: 11/15/99
Direction: North

Time: 1050
Photographer: E. Reuscher

3

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1055
Location: Freeport, Illinois **Direction:** Northeast **Photographer:** E. Reuscher
Subject: View of broken door on south side of building 6.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1100
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of enclosed walkway between building 5 and 2.

2

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of building 1.

Date: 11/15/99
Direction: Northeast

Time: 1105
Photographer: E. Reuscher

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of buildings 1, 3, and 4.

Date: 11/15/99
Direction: Northwest

Time: 1110
Photographer: E. Reuscher

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1115
Location: Freeport, Illinois **Direction:** West **Photographer:** E. Reuscher
Subject: View of alleyway between buildings.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1120
Location: Freeport, Illinois **Direction:** West **Photographer:** E. Reuscher
Subject: View of concrete pad with fill and vent pipes of 10,000-gallon UST.

3

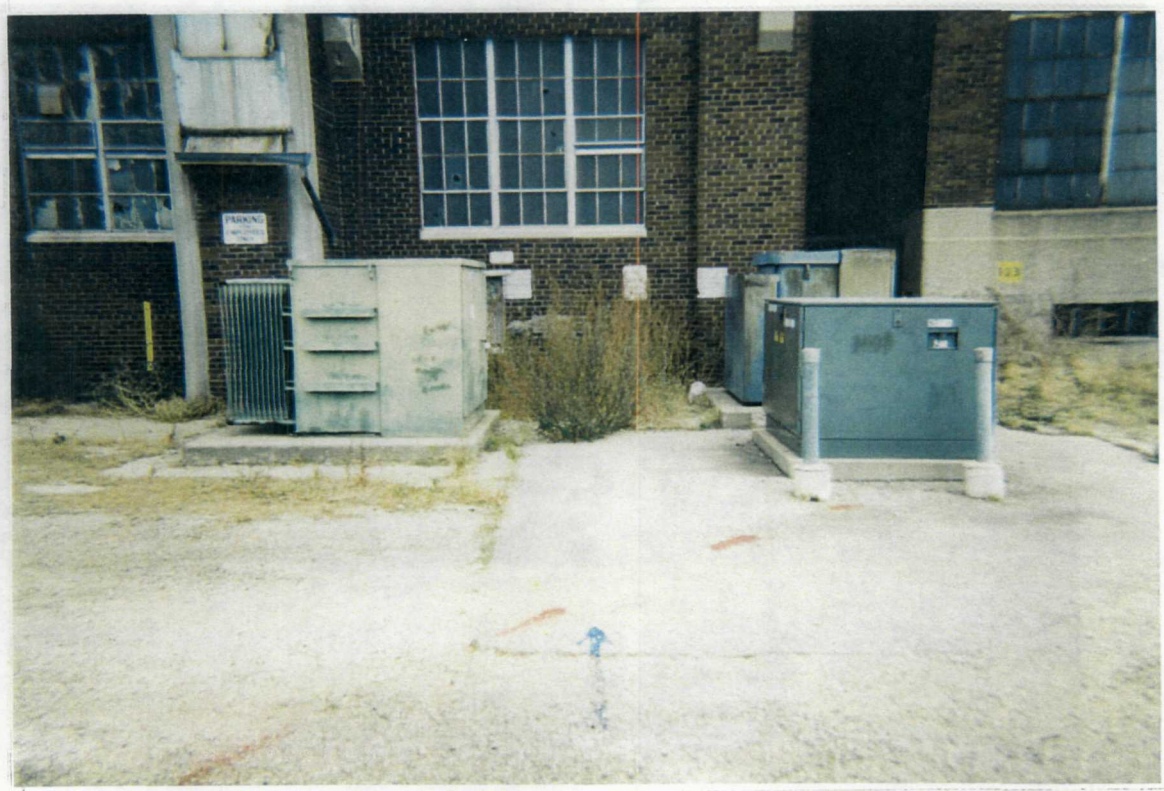
Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1125
Location: Free port, Illinois **Direction:** South **Photographer:** E. Reuscher
Subject: View of concrete-pad manways of 10,000-gallon USTs.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1130
Location: Freeport, Illinois **Direction:** South **Photographer:** E. Reuscher
Subject: View of buildings 4, 3 and 1.

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of building 8.

Date: 11/15/99
Direction: Southeast

Time: 1133
Photographer: E. Reuscher



Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of three pad-mounted electrical transformers.

Date: 11/15/99
Direction: East

Time: 1135
Photographer: E. Reuscher

4

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of five vent and fill pipes.

Date: 11/15/99
Direction: East

Time: 1140
Photographer: E. Reuscher

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of physical damage to building 6.

Date: 11/15/99
Direction: upward-East

Time: 1145
Photographer: E. Reuscher

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1150
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of vent and fill pipes associated with two fuel oil USTs.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1245
Location: Freeport, Illinois **Direction:** down-South **Photographer:** E. Reuscher
Subject: View of mercury spill in building 6. Actual droplets of mercury cannot be seen in photograph.

5

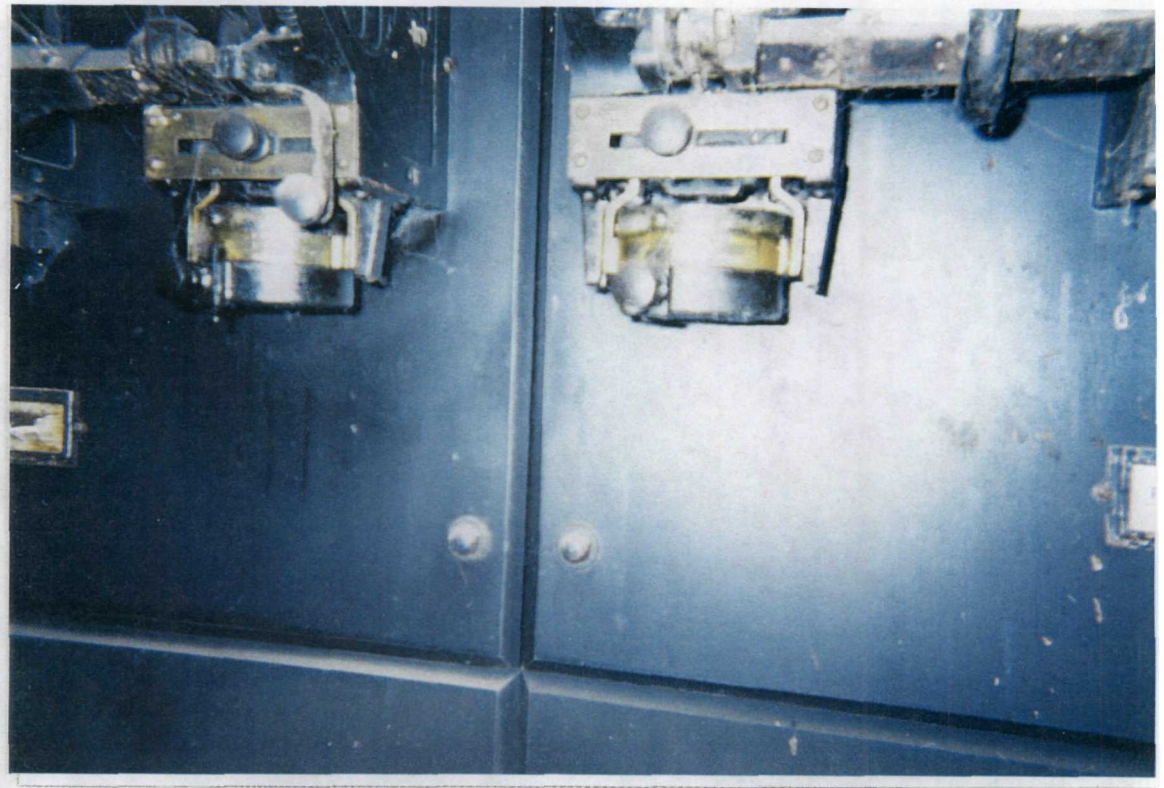
Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1245
Location: Freeport, Illinois **Direction:** down-South **Photographer:** E. Reuscher
Subject: View of mercury spill in building 6. Actual droplets of mercury cannot be seen in photograph.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1245
Location: Freeport, Illinois **Direction:** down-South **Photographer:** E. Reuscher
Subject: View of used syringe near mercury spill.

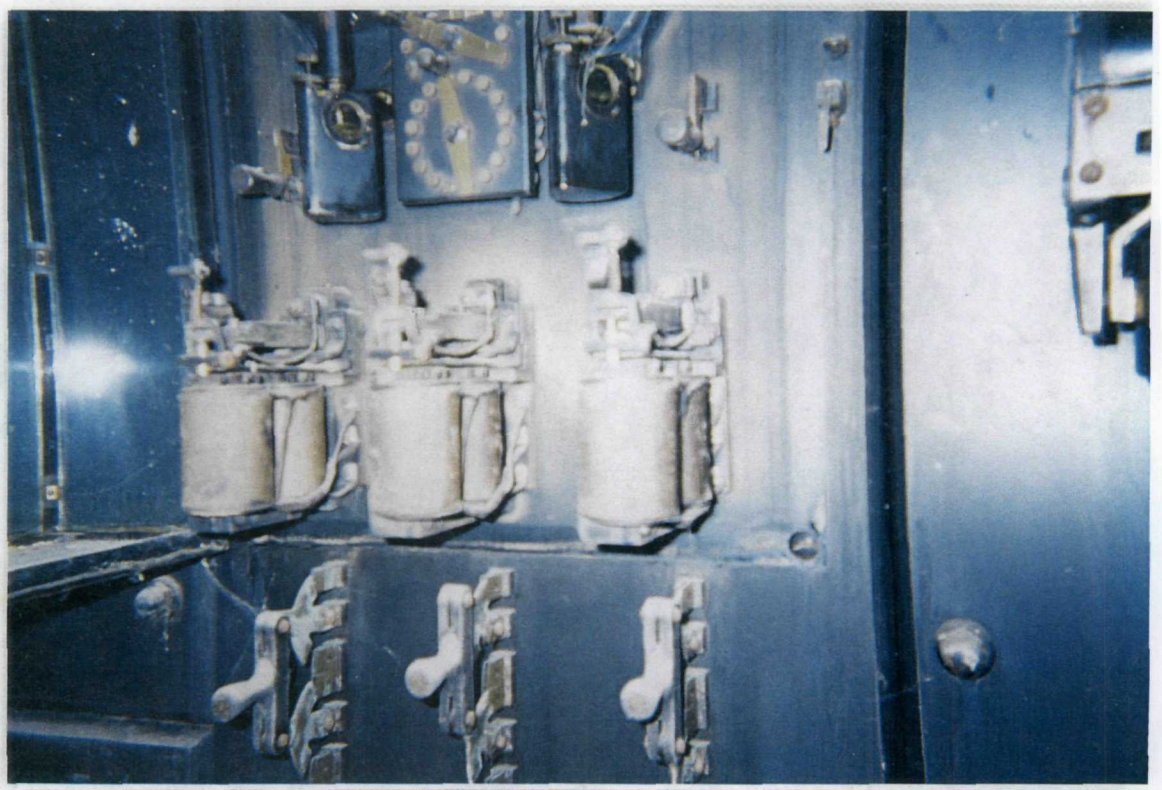
Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1247
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of possible PCB-containing electrical switches in building 6.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1247
Location: Freeport, Illinois **Direction:** upward-West **Photographer:** E. Reuscher
Subject: View of electrical transformers in building 6.

6



Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1247
Location: Freeport, Illinois **Direction:** South **Photographer:** E. Reuscher
Subject: View of possible PCB-containing electrical switch in building 6.



Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1247
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of possible PCB containing electrical switches in building 6.

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of ladders in building 6.

Date: 11/15/99
Direction: East

Time: 1250
Photographer: E. Reuscher

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of drums 16 through 19 in the basement of building 6.

Date: 11/15/99
Direction: North

Time: 1400
Photographer: E. Reuscher

1

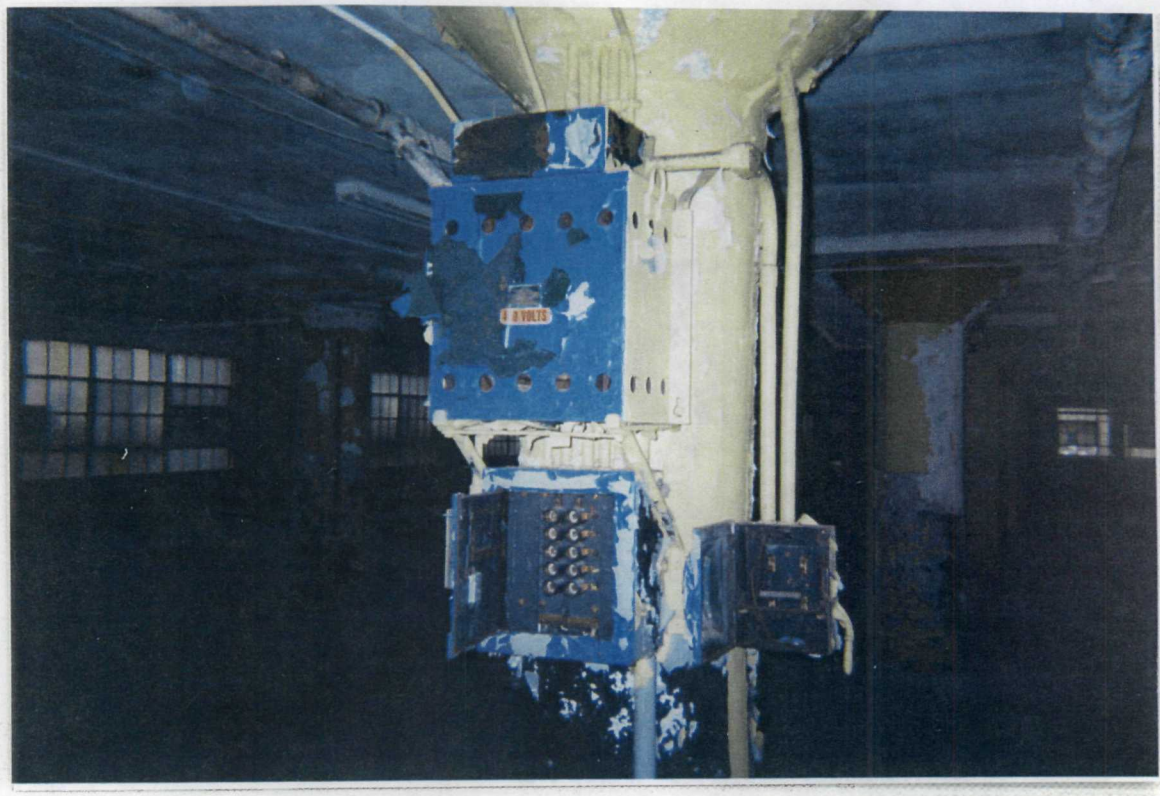
Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1415
Location: Freeport, Illinois **Direction:** East **Photographer:** E. Reuscher
Subject: View of stored asbestos containing thermal system insulation.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1450
Location: Freeport, Illinois **Direction:** South **Photographer:** E. Reuscher
Subject: View of graffiti in building 5.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1500
Location: Freeport, Illinois **Direction:** West **Photographer:** E. Reuscher
Subject: View of office electrical transformer in basement of building 5.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1510
Location: Freeport, Illinois **Direction:** West **Photographer:** E. Reuscher
Subject: View of fluorescent light ballasts on the second floor of building 5.

8



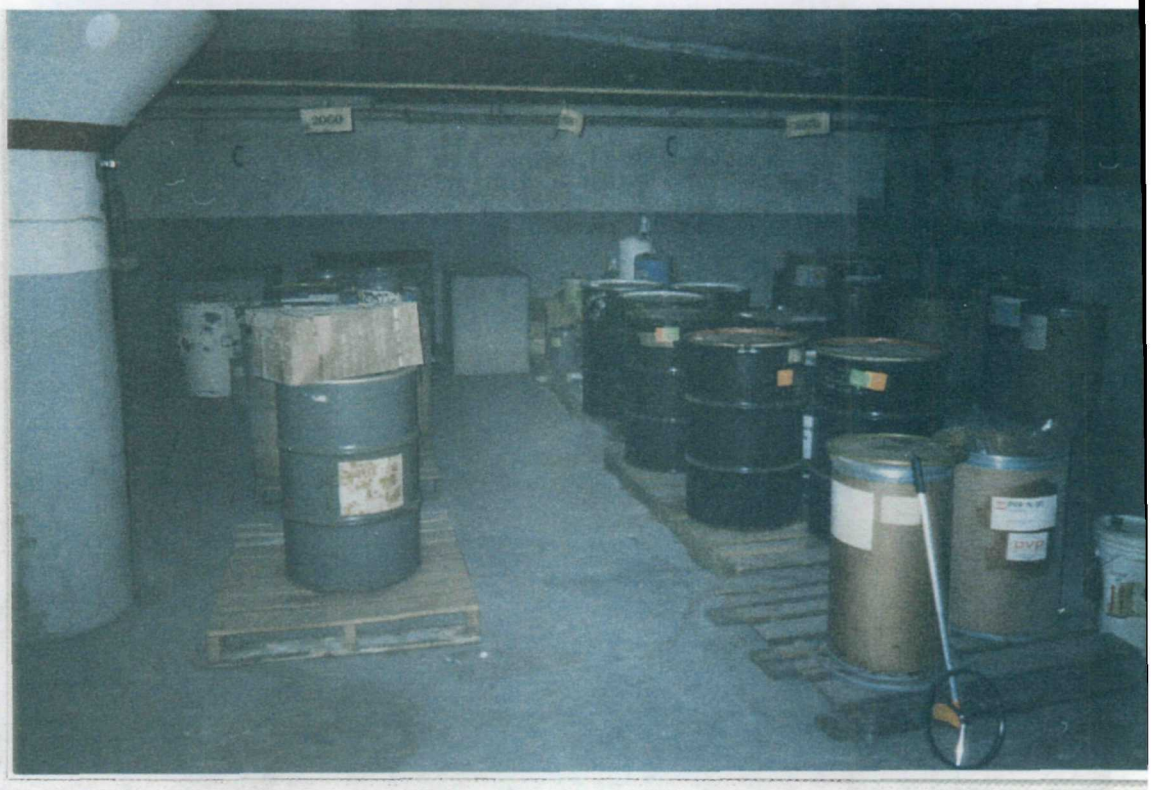
Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1515
Location: Freeport, Illinois **Direction:** East **Photographer:** E. Reuscher
Subject: View of wall mounted electrical transformer on third floor of building 5.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1550
Location: Freeport, Illinois **Direction:** West **Photographer:** E. Reuscher
Subject: View of burnt material on the sixth floor of building 5.

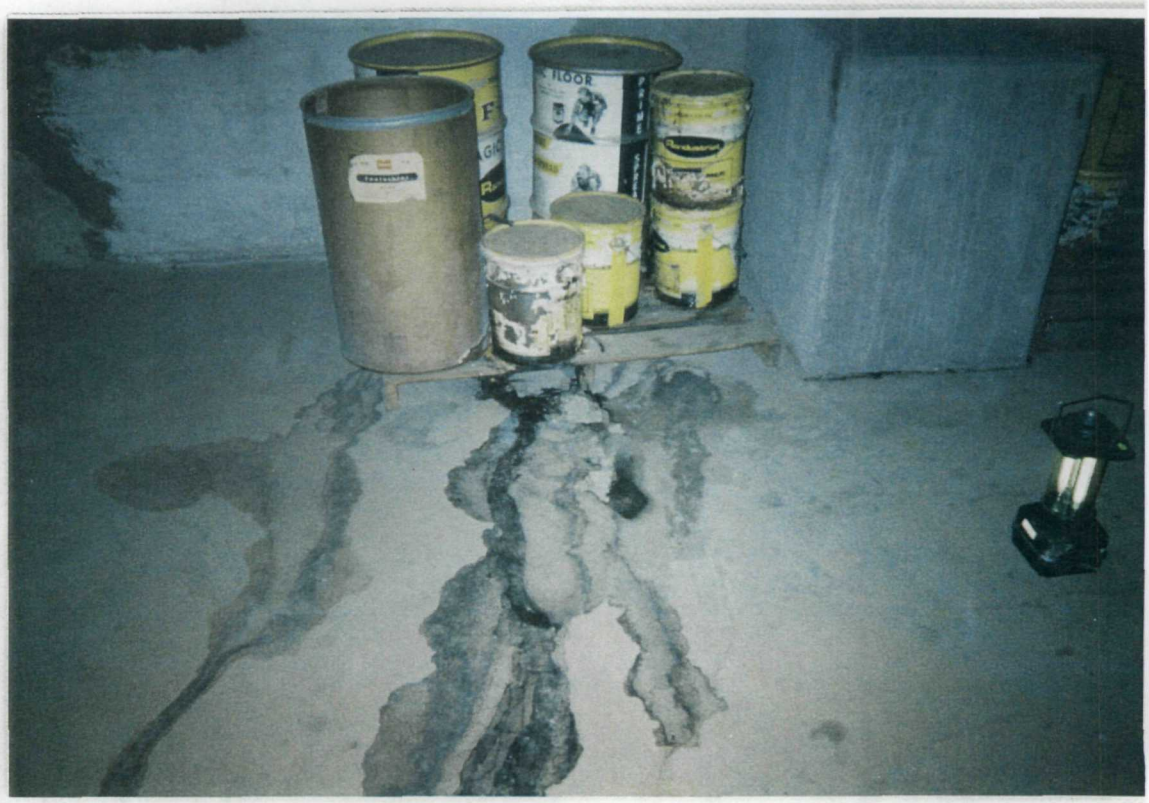
Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1555
Location: Freeport, Illinois **Direction:** East **Photographer:** E. Reuscher
Subject: View of a sleeping bag, food and miscellaneous debris on 6th floor of building 5.

Site: Rawleigh Building **Date:** 11/15/99 **Time:** 1610
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of disturbed boxes and containers of test products on the fifth floor of building 1.

9

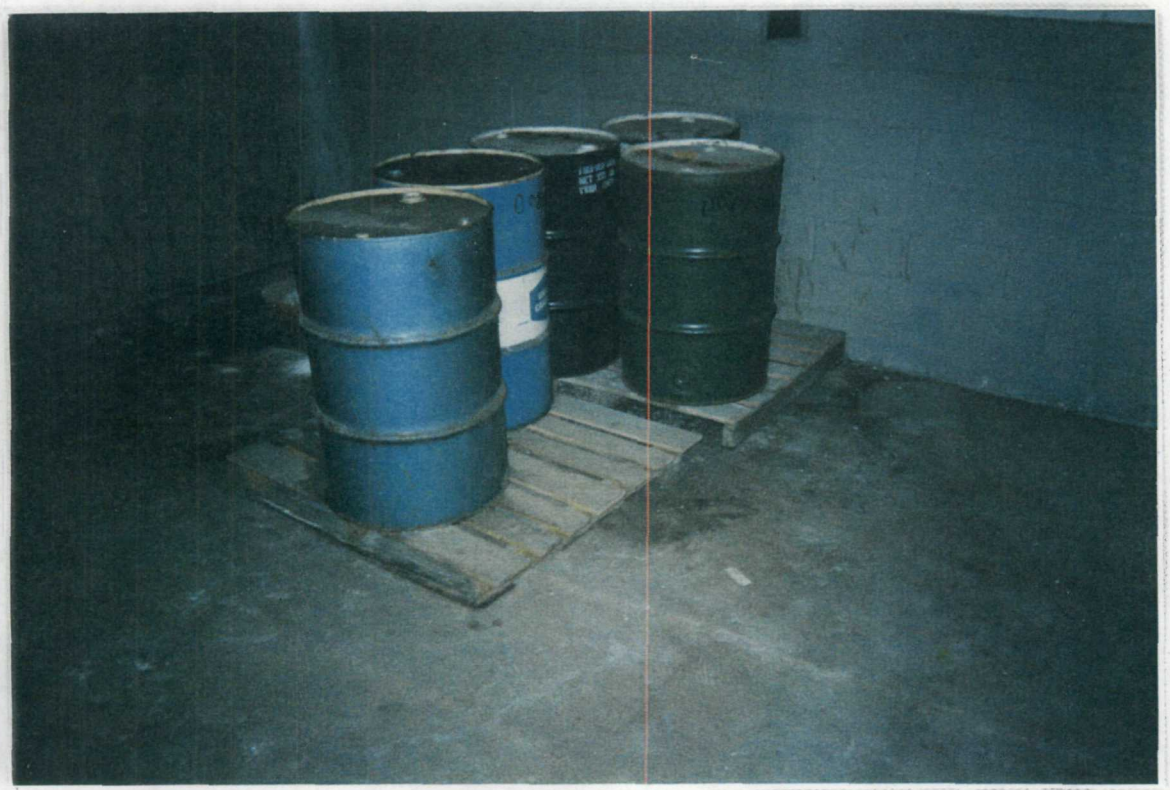


Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0740
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of stored drums and other containers in the basement of building 1.



Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0840
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of leaking 5-gallon buckets of floor mastic in the basement of building 1.

Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0840
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of leaking 5-gallon buckets of floor mastic in the basement of building 1.



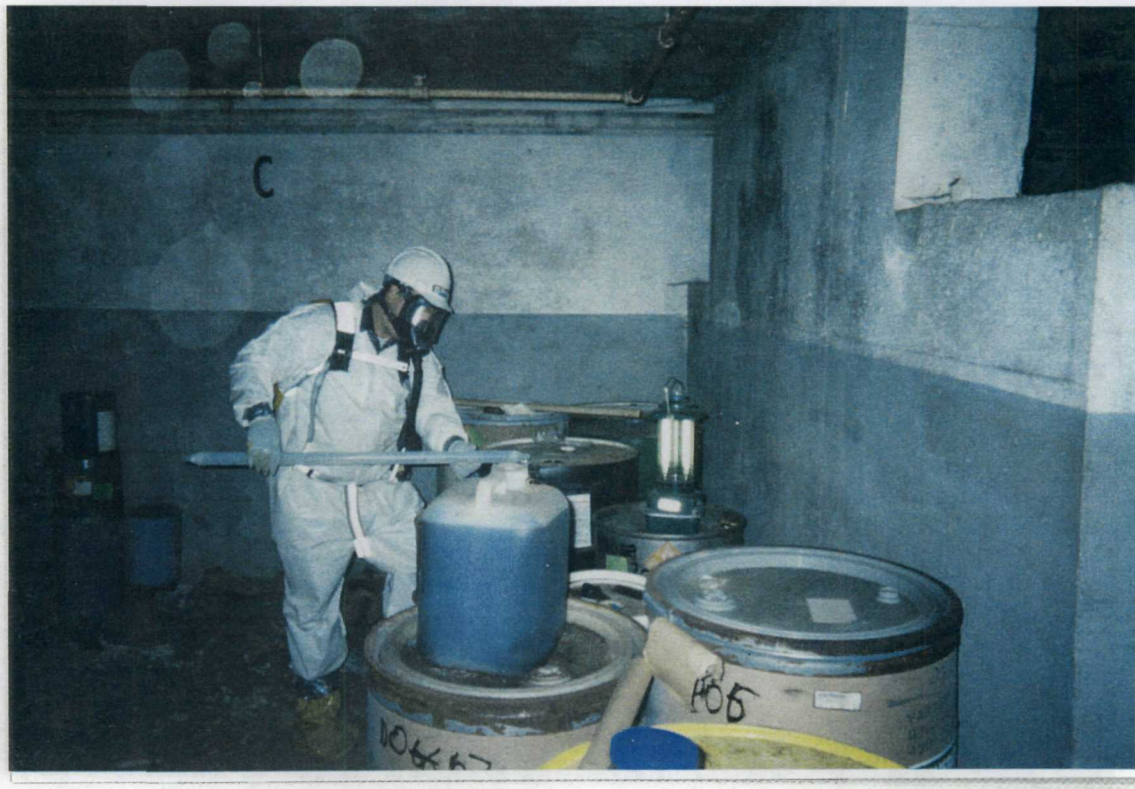
Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0900
Location: Freeport, Illinois **Direction:** West **Photographer:** E. Reuscher
Subject: View of five 55-gallon drums in a small storage room in the basement of building 2.

Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0910
Location: Freeport, Illinois **Direction:** Northeast **Photographer:** E. Reuscher
Subject: View of five 55-gallon drums of various chemicals in the basement of building 2.

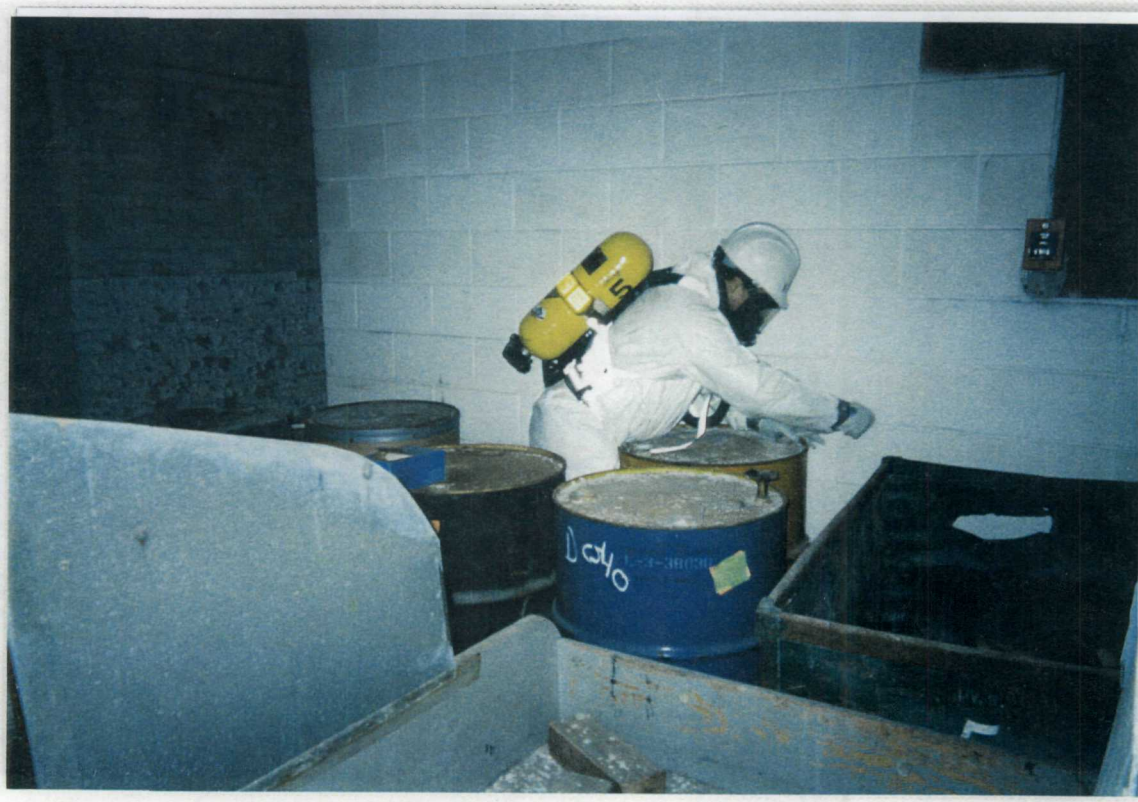
Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0920
Location: Freeport, Illinois **Direction:** South **Photographer:** E. Reuscher
Subject: View of two approximate 30,000-gallon ASTs in the basement of building 4.

Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0930
Location: Freeport, Illinois **Direction:** North **Photographer:** E. Reuscher
Subject: View of 3,200-gallon tank farm in basement of building 4.

Site: Rawleigh Building **Date:** 11/16/99 **Time:** 0940
Location: Freeport, Illinois **Direction:** West **Photographer:** E. Reuscher
Subject: View of room holding ASTs 25 through 28 in basement of building 4.



Site: Rawleigh Building
Location: Freeport, Illinois
Date: 11/16/99
Direction: North
Time: 1330
Photographer: E. Reuscher
Subject: View of START member John Nordine taking a drum sample.

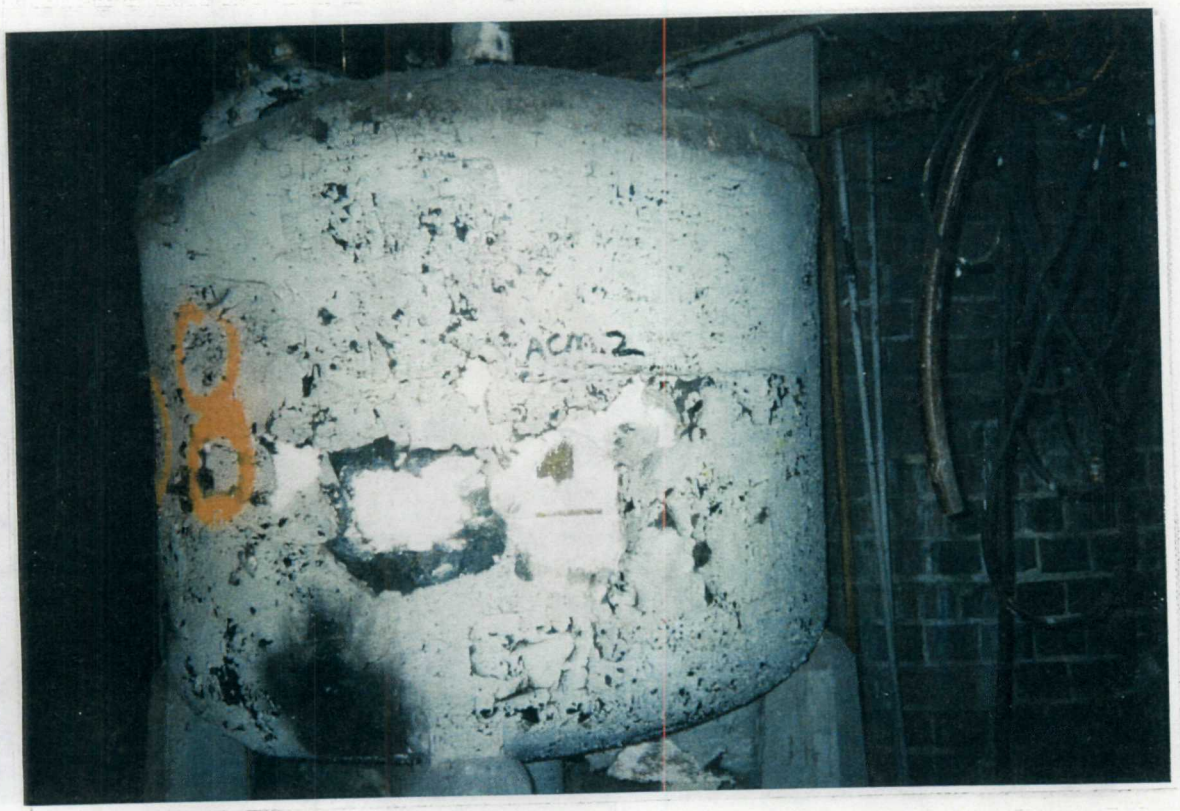


Site: Rawleigh Building
Location: Freeport, Illinois
Date: 11/16/99
Direction: South
Time: 1430
Photographer: E. Reuscher
Subject: View of drum sampling procedures.

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of asbestos sample 1.

Date: 11/16/99
Direction: West

Time: 1515
Photographer: E. Reuscher



Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of asbestos sample 2.

Date: 11/16/99
Direction: Northeast

Time: 1518
Photographer: E. Reuscher

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of asbestos sample 3.

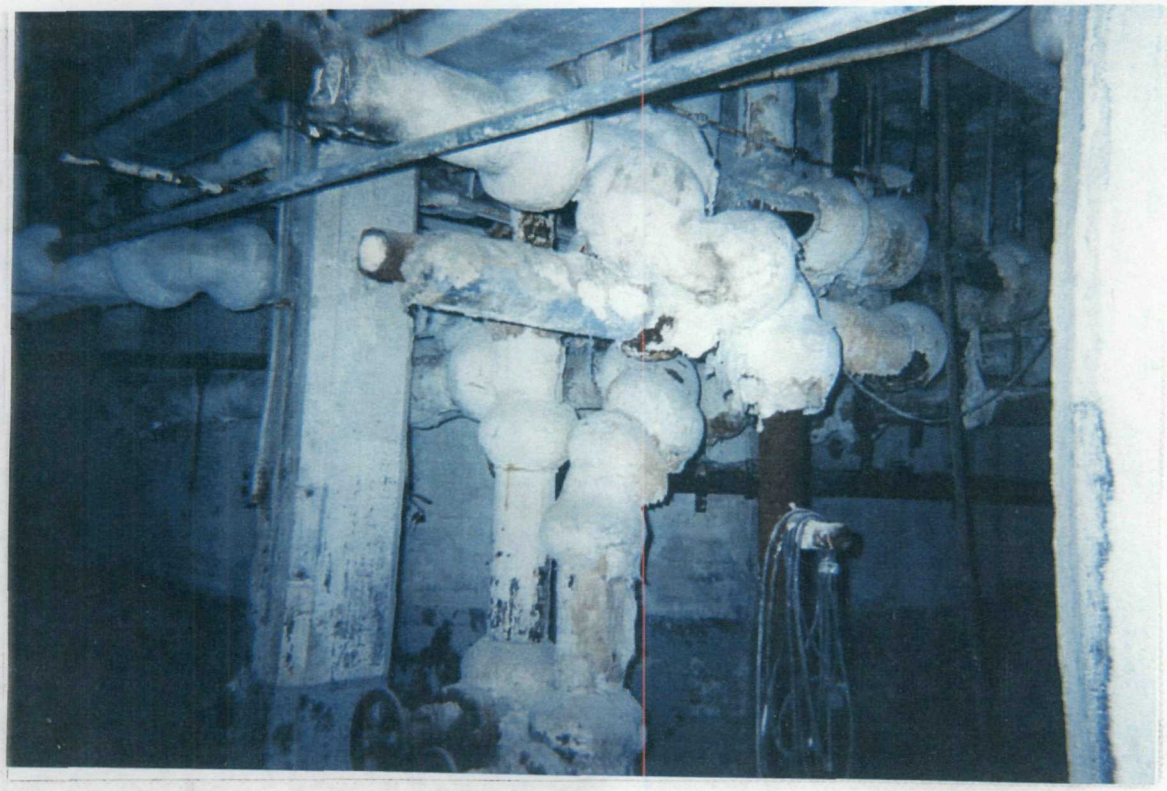
Date: 11/16/99
Direction: North

Time: 1520
Photographer: E. Reuscher

Site: Rawleigh Building
Location: Freeport, Illinois
Subject: View of asbestos sample 4.

Date: 11/16/99
Direction: North

Time: 1525
Photographer: E. Reuscher



Site: Rawleigh Building
Location: Freeport, Illinois
Date: 11/15/99
Direction: North
Time: 1420
Photographer: E. Reuscher
Subject: View of asbestos pipe wrap in basement of building 6.

#22 cm 3

Appendix C

Analytical Results

Table 1

ASBESTOS ANALYTICAL RESULTS
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY ILLINOIS

NOVEMBER 16, 1999

Sample ID	Description	Asbestos	% Chrysotile
ACM-1	White/gray plaster like	No	ND
ACM-2	White caulk-like powder	Yes	35
ACM-3	White/gray fibrous insulation	Yes	40
ACM-4	White fibrous insulation	Yes	55

Key: ND = Not detected.

Source: ESI Analytical Services, Inc., South Bend, IN, analytical TDD S05-9910-801.

Table 2

IGNITABILITY ANALYTICAL RESULTS
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY ILLINOIS

NOVEMBER 16, 1999

Sample ID	Sample Type	Results (Fahrenheit)
D070	Liquid waste/oils/fuels	91°
D069	Liquid waste/oils/fuels	< 81°
T013	Liquid waste/oils/fuels	> 201°
UST-1	Liquid waste/oils/fuels	> 201°

Key: < = Less than.
> = Greater than.

Source: ESI Analytical Services, Inc., South Bend, IN, analytical TDD S05-9910-801.

Table 3

pH ANALYTICAL RESULTS
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY ILLINOIS

NOVEMBER 16, 1999

Sample ID	Sample Type	Results (SU)
D002	Soil/Sludge/Solid	12.5
D003	Water (Non deionized water)	< 1.0
D093	Water (Non deionized water)	< 1.0

Key: SU = Standard units.
< = Less than.

Source: ESI Analytical Services, Inc., South Bend, IN, analytical TDD S05-9910-801.

Table 4

VOC AND SVOC ANALYTICAL RESULTS
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY ILLINOIS

NOVEMBER 16, 1999

Parameter	Sample Identification			
	UST-1	D069	T013	D070
Semivolatile Organic Compounds (SVOC) - (mg/L)				
Methylnaphthalene	5510	ND	5060	ND
Naphthalene	850	ND	ND	ND
Volatile Organic Compounds (VOCs) - (mg/L)				
Total Petroleum Hydrocarbons	967,000	ND	601,000	ND
Pesticides (ppm)				
Total	NA	NA	ND	NA

Key: mg/L = Milligrams per liter.
ppm = Parts per million.
ND = Not detected.
NA = Not applicable.

Source: ESI Analytical Services, Inc., South Bend, IN, analytical TDD S05-9910-801.

Appendix D

Drum Logs

Table 5

DRUM LOG
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY, ILLINOIS

NOVEMBER 16, 1999

Drum	Product Name/Manufacturer	Receiver	Location	Notes
D001	Polyquest 683/ Grace Dearborn	Not Listed	1st Floor, Building #6	Full 55-gallon drum of boiler water treatment chemical potassium hydroxide
D002	Muriatic Acid/ Viking Chemical Co.	Not Listed	1st Floor, Building #6	½ full 20-gallon plastic carboy total of approximately 9 carboys
D003	Caustic Soda/ Electro Chemicals & Speciality Products	Not Listed	1st Floor, Building #6	Full 55-gallon drum Sodium hydroxide anhydrous
D0012-13	Hydro-Drive/ Houghton	Not Listed	Basement Building #6	½ full drum of a petroleum product
D015	Muriatic Acid/ Libby Oil Co.	Not Listed	Basement Building #6	Empty 20-gallon plastic carboy
D016	STA-PUT 310/ F.F. Houghton's Chicago	Not Listed	Basement Building #6	Full 55-gallon drum, leaking
D019	Houghton Line Grease	Not Listed	Basement Building #6	30-gallon drum
D020	CYI THL 82/ Houghton's & Co.	W.T. Rawleigh Company	Basement Building #6	55-gallon drum
D025	Hydrochloric Acid/ Wester Lighting Mag.	Not Listed	Basement Building #6	Full 30-gallon plastic carboy
D031	Boiler Water Treatment/ Western Chemical	Not Listed	Basement Building #6	Full 55-gallon fiber drum, found on cart

Table 5 (continued)

DRUM LOG
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY, ILLINOIS

NOVEMBER 16, 1999

Drum	Product Name/Manufacturer	Receiver	Location	Notes
D036	DDVP/ Steuber Co. Inc.	Colorado Organic Chem.	1st Floor Building #3 Loading docks	Full 55-gallon plastic drum 2,2-Dichlorovinyldimethyl phosphate
D037	Piperonyl butoxide/ Prentiss Drug & Chemical	Not Listed	1st Floor Building #3 Loading docks	Full 30-gallon drum 80% Ether
D038	Beta Naphthol powder/ American Cyananial Company	Not Listed	1st Floor Building #3 Loading docks	3/4 full 55-gallon drum, lot # 47
D039	Butacid	Not Listed	1st Floor Building #3 Loading docks	Full 55-gallon drum, labeled as category A poison
D040	Kessco Isopropyl Myrestate Stepan Chemical	Not Listed	1st Floor Building #3 Loading docks	Full 55-gallon drum, lot # 1-3-38030
D041	Formaldehyde	Not Listed	1st Floor Building #3 Loading docks	Full 55-gallon drum
D042	Santophen-1/ Monsanto, Europe S.A.	Not Listed	Basement Building #1	½ full 30-gallon fiber drum, lot # KC0586
D043	PVP K-30/ GAF Chemicals Corporation	Not Listed	Basement Building #1	½ full 30-gallon fiber drum, pH of 4 Polyvinyl pyrolidone
D043A	Pecan Flavoring # 808/ Alex Fries	Not Listed	Basement Building #1	There were several 5-gallon containers of flavorings
D044,48	1-GEPAL CA-720/ GAF Chemical	Not Listed	Basement Building #1	Full 55-gallon drum, lot # 393, 1-1-61823-000-111
D046	Tall Oil	Not Listed	Basement Building #1	Full 55-gallon drum

Table 5 (continued)

DRUM LOG
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY, ILLINOIS

NOVEMBER 16, 1999

Drum	Product Name/Manufacturer	Receiver	Location	Notes
D049	CA 330 OTO, CA 500, G450 T40 N416/ Chemical Associates	W.T. Rawleigh Company	Basement Building #1	55-gallon drum, lot# 10/1121
D047,50	Glidco Pine oil/ Barton Solvents, Inc.	Not Listed	Basement Building #1	Full 55-gallon drum
D051	Penreco 3070 pine oil/ Penreco	McKesson Chemical Company	Basement Building #1	55-gallon drum, customer order # 535-P17171
D052	Fragrance ER-1435/ IFF International Flavors & Fragrances, Inc.	W.T. Rawleigh Company	Basement Building #1	¼ full 5-gallon bucket, Flash point 145°
D053	190 Surfactant/ Dow Corning	Not Listed	Basement Building #1	¼ full 5-gallon bucket, lot # AB096978
D054	Art Lemon Oil/ Cormpton & Knowles Corp.	W.T. Rawleigh Company	Basement Building #1	¼ full 2-gallon containers, lot # F-62291, Terpenless Type B
D056	TNT pilot/ Croda Surfactants	W.T. Rawleigh Company	Basement Building #1	55-gallon fiber drum, Product No. 062-181430-3
D055	Aqua Ammonia/ McKesson Chemical	Not Listed	Basement Building #1	½ full 55-gallon plastic drum
D058	BTC-50-U.S.P./ Milwaukee Solvents Chemical	W.T. Rawleigh Company	Basement Building #1	N-alkyl (50% - C_{12}, 30% - C_{14}, 17% - C_{16}, 3% - C_{15}) dimethyl benzyl, ammonia chlorides
D059	Masil Em 1000, code 4121 Mazer	W.T. Rawleigh Company	Basement Building #1	Full 55-gallon drum, Order # 77778-0, lot # 54774 Flash point >300

Table 5 (continued)

DRUM LOG
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY, ILLINOIS

NOVEMBER 16, 1999

Drum	Product Name/Manufacturer	Receiver	Location	Notes
D061	Sorbotol solution/ ICI Americas, Inc.	Not Listed	Basement Building #1	Full 55-gallon drum, 70 % Sorbotol solution, lot # 923j7
D063	Durkey 100F/ Durkey Industrial Foods Corp.	Not Listed	Basement Building #1	Full 55-gallon drum High stability vegetable oil
D064	MAPEG 6000DS/ Mazer Chemical	Not Listed	Basement Building #1	½ full 55-gallon drum
D065	Emulsifier WHC/ Stepan Company	Not Listed	Basement Building #1	Full 55-gallon drum, lot # 7-09723
D066, 73	Varisoft SDC/ Sherex Chemical	Not Listed	Basement Building #1	Full 55-gallon fiber drums
D067	Hiltamine Arctic White	Not Listed	Basement Building #1	Full 30-gallon fiber drum, lot # 419-19-400
D069	Isopropyl alcohol Anhydrous/ VanWaters & Rodger, Inc.	Not Listed	Basement Building #1	Full 55-gallon drum Flammable
D070	Flavoring Extract/ Fries & Fries	Not Listed	Basement Building #1	½ full 30-gallon drum Flammable
D071	BIO-Soft D-60/ Stepan Company	Not Listed	Basement Building #1	Full 55-gallon drum, flammable, lot # 8-34057 Liner alkylbenzene sulfonate
D072	Unknown/ Fritzsche, Dodge & Olcott, Inc.	Not Listed	Basement Building #1	Full 30-gallon drum Labeled as flammable liquid

Table 5 (continued)

DRUM LOG
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY, ILLINOIS

NOVEMBER 16, 1999

Drum	Product Name/Manufacturer	Receiver	Location	Notes
D074	Deosene/ Barton Solvents	Not Listed	Basement Building #1	Full 55-gallon drum DOT name: Petroleum naphthol Contains petroleum distillates, lot # 115
D076,77	F-161 Magic Floor/ Randustrial Company	Not Listed	Basement Building #1	Two full 30-gallon drums Instant patch for concrete floors
D079, 80	Isopropanol/ Mill Solvent Company	Not Listed	Basement Building #2	Full 55-gallon drum
D078, 82	Indoil/ Standard Oil	Not Listed	Basement Building #2	Two Full 55-gallon drum Industrial Oil #15
D081	Silicones/ Union Carbide	Not Listed	Basement Building #2	Full 55-gallon drum, lot # 47207058J-78, LE-461
D084	n-Butenol/ Union Chemical Union Oil Copany	Not Listed	Basement Building #2	Full 55-gallon drum Butyl alcohol, flammable
D085, 86, 87	Witconol-N/ Witco Organics Div.	Not Listed	Basement Building #2	Three full 55-gallon drums Combustible
D088	Ultra Wet N/ Arco Chemical	Not Listed	Basement Building #2	Full 55-gallon drum, lot # 4537
NA	Boric Acid/ U.S. Borax	Not Listed	Basement Building #1	One 100 pound bag, solid powder
NA	Thiele Kaoplate	Not Listed	Basement Building #1	Five 80 pound bags
NA	Talc	Not Listed	Basement Building #1	Approximately eleven 80 pound bags

Table 5 (continued)

DRUM LOG
RAWLEIGH BUILDING
FREEPORT, STEPHENSON COUNTY, ILLINOIS

NOVEMBER 16, 1999

Drum	Product Name/Manufacturer	Receiver	Location	Notes
NA	Diazion/ Prentiss Drug and Chemical	Not Listed	Basement Building #1	Full 5-gallon can

Source: Ecology and Environment, Inc., START site logbook.

Appendix E

RCMS Cost Projection

Cost Summary

Projection Name: Rawleigh Asbestos
Projection Type: Initial

Date: 02/28/00
Prime Contractor: ETI5

		Projection	Archive	Total
CONTRACTOR				
	Personnel Cost	83430	0	83430
	Equipment Cost	41640	0	41640
	Other Direct Cost	69960	0	69960
	Total for Contractor	195030	0	195030
	Contractor Contingency:0.00%			0
	Including Contractor Contingency			195030
	Site Contingency:20.00%			39006
	Including Site Contingency			234036
GOVERNMENT				
	Personnel Cost	24000	0	24000
	Equipment Cost	0	0	0
	Other Direct Cost	18462	0	18462
	Total for Goverment	42462	0	42462
	Site Contingency: 20.00%			8492
	Including Site Contingency			50954
PROJECT TOTAL				284990

Cost Summary by Task Code

Projection Name: Rawleigh Asbestos
Projection Type: Initial

Date: 02/28/00
Prime Contractor: ETI5

	Personnel Cost	Equipment Cost	Other Cost	Total Cost
Task: Administrative (06) 01/01/00 - 01/31/00				
Contractor Projection:	28650	5659	6322	40631
Contractor Archive:	0	0	0	0
Task: Administrative / Admin (0602) 01/01/00 - 01/31/				
Government Projection:	24000	0	18462	42462
Government Archive:	0	0	0	0
Task: Operations (13) 01/01/00 - 01/31/00				
Contractor Projection:	54780	35981	63638	154399
Contractor Archive:	0	0	0	0
(Contractor Subtotals:)	83430	41640	69960	195030
(Government Subtotals:)	24000	0	18462	42462
CONTRACTOR				
(Contractor Contingency:0.00%)	0	0	0	0
(Including Contractor Contingency)	83430	41640	69960	195030
(Site Contingency:20.00%)	16686	8328	13992	39006
(Including Site Contingency)	100116	49968	83952	234036
GOVERNMENT				
(Site Contingency:20.00%)	4800	0	3692	8492
(Including Site Contingency)	28800	0	22154	50954
PROJECT TOTAL				
	128916	49968	106106	284990

Cost Summary

Projection Name: Rawleigh Non-ACM
Projection Type: Initial

Date: 02/28/00
Prime Contractor: ETI5

	Projection	Archive	Total
CONTRACTOR			
Personnel Cost	188380	0	188380
Equipment Cost	231633	0	231633
Other Direct Cost	255658	0	255658
Total for Contractor	675671	0	675671
Contractor Contingency:0.00%			0
Including Contractor Contingency			675671
Site Contingency:20.00%			135134
Including Site Contingency			810805
GOVERNMENT			
Personnel Cost	50250	0	50250
Equipment Cost	0	0	0
Other Direct Cost	46882	0	46882
Total for Goverment	97132	0	97132
Site Contingency: 20.00%			19426
Including Site Contingency			116558
PROJECT TOTAL			927364

Cost Summary by Task Code

Projection Name: Rawleigh Non-ACM
Projection Type: Initial

Date: 02/28/00
Prime Contractor: ETI5

	Personnel Cost	Equipment Cost	Other Cost	Total Cost
Task: Administrative (06) 02/01/00 - 03/31/00				
Contractor Projection:	65620	10648	13797	90065
Contractor Archive:	0	0	0	0
Task: Administrative / Admin (0602) 02/01/00 - 03/31/				
Government Projection:	50250	0	46882	97132
Government Archive:	0	0	0	0
Task: Operations (13) 02/01/00 - 03/31/00				
Contractor Projection:	122760	220985	241861	585606
Contractor Archive:	0	0	0	0
(Contractor Subtotals:)	188380	231633	255658	675671
(Government Subtotals:)	50250	0	46882	97132
CONTRACTOR				
(Contractor Contingency:0.00%)	0	0	0	0
(Including Contractor Contingency)	188380	231633	255658	675671
(Site Contingency:20.00%)	37676	46327	51132	135134
(Including Site Contingency)	226056	277960	306790	810805
GOVERNMENT				
(Site Contingency:20.00%)	10050	0	9376	19426
(Including Site Contingency)	60300	0	56258	116558
PROJECT TOTAL				
	286356	277960	363048	927364

CONTRACTOR AND GOVERNMENT
ALL COSTS BY TASK CODE

15 PAGES

REDACTED

NOT RELEVANT TO THE SELECTION OF THE REMOVAL ACTION

Appendix F

Validated Analytical Data

ecology and environment, inc.
International Specialists in the Environment

33 North Dearborn Street
Chicago, Illinois 60602
Tel. 312/578-9243, Fax: 312/578-9345

M E M O R A N D U M

DATE: January 25, 2000

TO: Eric Reuscher, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Patrick Zwilling, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Data Quality Review for Flash Point and pH, Rawleigh Building, Freeport, Stephenson County, Illinois

REFERENCE: Project TDD S05-9910-003 Analytical TDD S05-9910-801
Project PAN 9C0301SIXX Analytical PAN 9CAA01TAXX

The data quality assurance (QA) review of seven drum waste samples collected from the Rawleigh Building site is complete. The samples were collected on November 16, 1999, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to EIS Analytical Services, Inc., South Bend, Indiana. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Methods 1010 and 9045.

Sample Identification

START Identification No.	Laboratory Identification No.
D002	64513
D003	64514
D093	64515
T013	64516
D069	64517
D070	64518
UST-1	64520

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 16, 1999, and analyzed on November 19 and 23, 1999. The Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990) does not specify holding times for these parameters.

II. Calibrations: Acceptable

The calibrations for flash point and pH were verified before sample analyses. The calibration for flash point was verified using xylene and the calibration for pH was verified following analyses of three standard solutions.

III. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in OSWER Data Validation Procedures, Section 9.0, Generic Data Validation Procedures. Based upon the information provided, the data are acceptable for use.

ecology and environment, inc.
International Specialists in the Environment

33 North Dearborn Street
Chicago, Illinois 60602
Tel. 312/578-9243, Fax: 312/578-9345

M E M O R A N D U M

DATE: January 25, 2000

TO: Eric Reuscher, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Patrick Zwilling, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Data Quality Review for Asbestos, Rawleigh Building, Freeport, Stephenson County, Illinois

REFERENCE: Project TDD S05-9910-003 Analytical TDD S05-9910-801
Project PAN 9C0301SIXX Analytical PAN 9CAA01TAXX

The data quality assurance (QA) review of four solid samples collected from the Rawleigh Building site is complete. The samples were collected on November 16, 1999, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to EIS Analytical Services, Inc., South Bend, Indiana. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Method 9002.

Sample Identification

START Identification No.	Laboratory Identification No.
D002	64509
D003	64510
D093	64511
T013	64512

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 16, 1999, and analyzed on November 23, 1999. The Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990) does not specify a holding time for this parameter.

II. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in OSWER Data Validation Procedures, Section 9.0, Generic Data Validation Procedures. Based upon the information provided, the data are acceptable for use.

ecology and environment, inc.
International Specialists in the Environment

33 North Dearborn Street
Chicago, Illinois 60602
Tel. 312/578-9243, Fax: 312/578-9345

M E M O R A N D U M

DATE: January 25, 2000

TO: Eric Reuscher, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Patrick Zwilling, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Organic Data Quality Review for Volatile Organic Compounds (VOCs), Rawleigh Building, Freeport, Stephenson County, Illinois

REFERENCE: Project TDD S05-9910-003 Analytical TDD S05-9910-801
Project PAN 9C0301SIXX Analytical PAN 9CAA01TAXX

The data quality assurance (QA) review of three drum samples collected from the Rawleigh Building site is complete. The samples were collected on November 16, 1999, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to EIS Analytical Services, Inc., South Bend, Indiana. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Method 8260.

Sample Identification

START Identification No.	Laboratory Identification No.
T013	64516
D069	64517
D070	64518
UST-1	64520

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 16, 1999, and analyzed on November 23, 1999. This is within the 14-day holding time limit.

II. Gas Chromatography/Mass Spectrometry (GC/MS) Tuning: Acceptable

GC/MS tuning to meet ion abundance criteria using bromofluorobenzene (BFB) were acceptable and samples were analyzed within 12 hours of BFB tuning.

III. Calibrations:

- Initial Calibration: Qualified

A five-point initial calibration was performed prior to analysis. All average response factors were greater than 0.05 except acrolein and cyclohexanone; therefore, the nondetect values for these compounds have been flagged "R", as required. The percent relative standard deviations (%RSDs) between response factors were less than 30% for all detected target compounds.

- Continuing Calibration: Acceptable

The percent differences of the response factors were less than 25%, as required for detected target compounds.

IV. Blank: Acceptable

A method blank was analyzed with the samples. No target compounds or contaminants were detected in the blank.

V. Internal Standards: Acceptable

The areas of the internal standards in the samples were within -50% to +100% of the associated calibration check standard. The retention times of the internal standards were within the 30-second control limit.

VI. Compound Identification: Acceptable

The mass spectra and retention times of the detected compounds matched those of the standards.

VII. Additional QC Checks: Acceptable

The recoveries of the surrogates used in the samples and blank were within laboratory-established guidelines.

VIII. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990), Data Validation Procedures, Section 5.0 VOAs By GC/MS analysis. Based upon the information provided, the data are acceptable for use, with the above-stated qualifications.

Data Qualifiers and Definitions:

R - The sample results are rejected (analyte may or may not be present) due to gross deficiencies in quality control criteria. Any reported value is unusable. Resampling and/or reanalysis is necessary for verification.

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33 North Dearborn Street
Chicago, Illinois 60602
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M E M O R A N D U M

DATE: January 25, 2000

TO: Eric Reuscher, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Patrick Zwilling, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Organic Data Quality Review for Semivolatile Organic Compounds (SVOCs) and Pesticides, Rawleigh Building, Freeport, Stephenson County, Illinois

REFERENCE: Project TDD S05-9910-003 Analytical TDD S05-9910-801
Project PAN 9C0301SIXX Analytical PAN 9CAA01TAXX

The data quality assurance (QA) review of three drum samples collected from the Rawleigh Building site is complete. The samples were collected on November 16, 1999, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to EIS Analytical Services, Inc., South Bend, Indiana. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Method 8270.

Sample Identification

START Identification No.	Laboratory Identification No.
T013	64516
D069	64517
UST-1	64520

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 16, 1999, extracted on November 23, 1999, and analyzed on November 23, 1999. This is within the 14-day holding time limit, from collection to extraction, and 40-day limit from extraction to analysis.

II. Gas Chromatography/Mass Spectrometry (GC/MS) Tuning: Acceptable

GC/MS tuning to meet ion abundance criteria using decafluorotriphenylphosphine (DFTPP) were acceptable and samples were analyzed within 12 hours of DFTPP tuning.

III. Calibrations:

• Initial Calibration: Acceptable

A five-point initial calibration was performed prior to analysis. All average response factors were greater than 0.05. The percent relative standard deviations (%RSDs) between response factors were less than 30% for all detected target compounds.

• Continuing Calibration: Acceptable

The percent differences of the response factors were less than 25%, as required for detected target compounds.

IV. Blank: Acceptable

A method blank was analyzed with the samples. No target compounds or contaminants were detected in the blank.

V. Internal Standards: Acceptable

The areas of the internal standards in the samples were within -50% to +100% of the associated calibration check standard. The retention times of the internal standards were within the 30-second control limit.

VI. Compound Identification: Acceptable

The mass spectra and retention times of the detected compounds matched those of the standards.

VII. Additional QC Checks: Acceptable

The recoveries of the surrogates used in the samples and blank were within laboratory-established guidelines.

VIII. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990), Data Validation Procedures, Section 4.0, BNAs By GC/MS analysis. Based upon the information provided, the data are acceptable for use.

SAMPLE RESULTS

CLIENT SAMPLE ID: D003
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Water(Non DW)
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064514
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
pH	<1.0	SU			LozanoS	11/19/99	4500-H B

SAMPLE RESULTS

CLIENT SAMPLE ID: D093
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Water(Non DW)
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064515
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
pH	<1.0	SU			LozanoS	11/19/99	4500-H B

SAMPLE RESULTS

CLIENT SAMPLE ID: T013
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064516
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Ignitability (Closed Cup)	>201	Fahrenheit			LozanoS	11/23/99	1010

SAMPLE RESULTS

CLIENT SAMPLE ID: T013
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064516
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
PESTICIDES							
Aldrin	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Chlordane(alpha)	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Chlordane(gamma)	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Dieldrin	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Endosulfan I	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Endosulfan II	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Endosulfan sulfate	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Endrin	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Endrin aldehyde	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Endrin ketone	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Heptachlor	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Heptachlor Epoxide	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Hexachlorocyclohexane (alpha-BHC)	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Hexachlorocyclohexane (beta-BHC)	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Hexachlorocyclohexane (delta-BHC)	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
ıexachlorocyclohexane (gamma-BHC)	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Methoxychlor	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
P,P'-DDD	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
P,P'-DDE	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
P,P'-DDT	nd	ppm	400	0.2	DavisW	11/23/99	8270 C
Toxaphene	nd	ppm	20000	10	DavisW	11/23/99	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: T013
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064516
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS .							
Acenaphthene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Acenaphthylene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Aniline	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Anthracene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Benzidine	nd	mg/L	2000	2500	DavisW	11/23/99	8270 C
Benzo(a)anthracene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Benzo(a)pyrene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Benzo(b)fluoranthene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Benzo(ghi)perylene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Benzo(k)fluoranthene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Benzoic acid	nd	mg/L	2000	2500	DavisW	11/23/99	8270 C
Benzyl alcohol	nd	mg/L	800	1000	DavisW	11/23/99	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	400	500	DavisW	11/23/99	8270 C
,is(2-ethylhexyl)phthalate	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Butyl benzyl phthalate	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Chloroaniline (4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Chloronaphthalene (2)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Chlorophenol (2)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Chrysene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Di-n-butylphthalate	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Di-n-octylphthalate	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dibenzofuran	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,2)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,3)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dichlorophenol (2,4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Diethyl phthalate	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dimethyl phthalate	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dimethylphenol (2,4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
initrophenol (2,4)	nd	mg/L	2000	2500	DavisW	11/23/99	8270 C
Dinitrotoluene (2,4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Dinitrotoluene (2,6)	nd	mg/L	400	500	DavisW	11/23/99	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: T013
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064516
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Diphenylhydrazine (1,2)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Fluoranthene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Fluorene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Hexachlorobenzene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Hexachlorobutadiene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Hexachlorocyclopentadiene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Hexachloroethane	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Isophorone	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	2000	2500	DavisW	11/23/99	8270 C
Methylnaphthalene (2)	5060	mg/L	400	500	DavisW	11/23/99	8270 C
Methylphenol (2)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Methylphenol (4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Naphthalene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Nitroaniline (2)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Nitroaniline (3)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
itroaniline (4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Nitrobenzene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Nitrophenol (2)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Nitrophenol (4)	nd	mg/L	2000	2500	DavisW	11/23/99	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Pentachlorophenol	nd	mg/L	2000	2500	DavisW	11/23/99	8270 C
Phenanthrene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Phenol	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Pyrene	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Pyridine	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	400	500	DavisW	11/23/99	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	400	500	DavisW	11/23/99	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: T013
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064516
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
Acrolein	nd R	ppm	12000	1000	WilliamsJ	11/23/99	8260 B
Acrylonitrile	nd	ppm	12000	1000	WilliamsJ	11/23/99	8260 B
Benzene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Bromobenzene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Bromochloromethane	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Bromodichloromethane	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Bromoform	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Bromomethane	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (normal)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (sec)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (tert)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Carbon disulfide	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Carbon Tetrachloride	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Chlorobenzene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
hloroethane	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Chloroform	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Chlorohexane (1)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Chloromethane	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
Chlorotoluene (2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Chlorotoluene (4)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Cyclohexanone	nd R	ppm	60000	5000	WilliamsJ	11/23/99	8260 B
Dibromo-3-chloropropane (1,2)	nd	ppm	18000	1500	WilliamsJ	11/23/99	8260 B
Dibromochloromethane	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Dibromoethane (1,2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Dibromomethane	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichloro-2-butene (1,4)	nd	ppm	18000	1500	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,2)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,3)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,4)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichlorodifluoromethane	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,1)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (1,1)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichloroethene (c-1,2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (t-1,2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
ichlorofluoromethane	nd	ppm	3000	250	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,3)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: T013
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064516
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropane (2,2)	nd	ppm	3000	250	WilliamsJ	11/23/99	8260 B
Dichloropropene (1,1)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (c-1,3)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (t-1,3)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Diethyl ether	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
Ethyl methacrylate	nd	ppm	3000	250	WilliamsJ	11/23/99	8260 B
Ethylbenzene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Heptane (normal)	nd	ppm	3000	250	WilliamsJ	11/23/99	8260 B
Hexachlorobutadiene	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Hexanone (2-)	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
Iodomethane	nd	ppm	3000	250	WilliamsJ	11/23/99	8260 B
Isopropylbenzene	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Isopropyltoluene (para)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Methyl Ethyl Ketone (MEK)	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
Methyl methacrylate	nd	ppm	3000	250	WilliamsJ	11/23/99	8260 B
lethylbutylether (tert) (MTBE)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Methylene chloride	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Naphthalene	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Propylbenzene (normal)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Styrene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,1,2)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,2,2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Tetrahydrofuran	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
Toluene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
TPH (DRO/GRO)	601000	ppm	120000	10000	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,3)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,4)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,1)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,2)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Trichloroethene	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Trichlorofluoromethane	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Trichloropropane (1,2,3)	nd	ppm	3000	250	WilliamsJ	11/23/99	8260 B
Trichlorotrifluoroethane	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,2,4)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,3,5)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
'inyl acetate	nd	ppm	6000	500	WilliamsJ	11/23/99	8260 B
√inyl Chloride	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B
Xylene (ortho)	nd	ppm	600	50	WilliamsJ	11/23/99	8260 B
Xylenes (meta + para)	nd	ppm	1200	100	WilliamsJ	11/23/99	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: D069
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064517
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Ignitability (Closed Cup)	<81	Fahrenheit			LozanoS	11/23/99	1010

SAMPLE RESULTS

CLIENT SAMPLE ID: D069
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064517
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS .							
Acenaphthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Acenaphthylene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Aniline	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Anthracene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzidine	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Benzo(a)anthracene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(a)pyrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(b)fluoranthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(ghi)perylene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(k)fluoranthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzoic acid	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Benzyl alcohol	nd	mg/L	840	1000	DavisW	11/23/99	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	420	500	DavisW	11/23/99	8270 C
,is(2-ethylhexyl)phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Butyl benzyl phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chloroaniline (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chloronaphthalene (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chlorophenol (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chrysene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Di-n-butylphthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Di-n-octylphthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dibenzofuran	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,3)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorophenol (2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Diethyl phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dimethyl phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dimethylphenol (2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
initrophenol (2,4)	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Dinitrotoluene (2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dinitrotoluene (2,6)	nd	mg/L	420	500	DavisW	11/23/99	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: D069
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064517
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Diphenylhydrazine (1,2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Fluoranthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Fluorene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachlorobenzene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachlorobutadiene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachlorocyclopentadiene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachloroethane	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Isophorone	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Methylnaphthalene (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Methylphenol (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Methylphenol (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Naphthalene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroaniline (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroaniline (3)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
itroaniline (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitrobenzene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitrophenol (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitrophenol (4)	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Pentachlorophenol	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Phenanthrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Phenol	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Pyrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Pyridine	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	420	500	DavisW	11/23/99	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: D069
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064517
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Acrolein	nd	ppm	7000	1000	WilliamsJ	11/23/99	8260 B
Acrylonitrile	nd	ppm	7000	1000	WilliamsJ	11/23/99	8260 B
Benzene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Bromobenzene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Bromochloromethane	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Bromodichloromethane	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Bromoform	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Bromomethane	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (normal)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (sec)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (tert)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Carbon disulfide	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Carbon Tetrachloride	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Chlorobenzene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
hloroethane	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Chloroform	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Chlorohexane (1)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Chloromethane	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Chlorotoluene (2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Chlorotoluene (4)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Cyclohexanone	nd	ppm	35000	5000	WilliamsJ	11/23/99	8260 B
Dibromo-3-chloropropane (1,2)	nd	ppm	10500	1500	WilliamsJ	11/23/99	8260 B
Dibromochloromethane	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Dibromoethane (1,2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Dibromomethane	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichloro-2-butene (1,4)	nd	ppm	10500	1500	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,2)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,3)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,4)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichlorodifluoromethane	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,1)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (1,1)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichloroethene (c-1,2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (t-1,2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
ichlorofluoromethane	nd	ppm	1750	250	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,3)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: D069
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064517
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropane (2,2)	nd	ppm	1750	250	WilliamsJ	11/23/99	8260 B
Dichloropropene (1,1)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (c-1,3)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (t-1,3)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Diethyl ether	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Ethyl methacrylate	nd	ppm	1750	250	WilliamsJ	11/23/99	8260 B
Ethylbenzene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Heptane (normal)	nd	ppm	1750	250	WilliamsJ	11/23/99	8260 B
Hexachlorobutadiene	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Hexanone (2-)	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Iodomethane	nd	ppm	1750	250	WilliamsJ	11/23/99	8260 B
Isopropylbenzene	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Isopropyltoluene (para)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Methyl Ethyl Ketone (MEK)	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Methyl methacrylate	nd	ppm	1750	250	WilliamsJ	11/23/99	8260 B
!ethylbutylether (tert) (MTBE)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Methylene chloride	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Naphthalene	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Propylbenzene (normal)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Styrene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,1,2)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,2,2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Tetrahydrofuran	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Toluene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
TPH (DRO/GRO)	nd	ppm	70000	10000	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,3)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,4)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,1)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,2)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Trichloroethene	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Trichlorofluoromethane	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Trichloropropane (1,2,3)	nd	ppm	1750	250	WilliamsJ	11/23/99	8260 B
Trichlorotrifluoroethane	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,2,4)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,3,5)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
'inyl acetate	nd	ppm	3500	500	WilliamsJ	11/23/99	8260 B
Vinyl Chloride	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B
Xylene (ortho)	nd	ppm	350	50	WilliamsJ	11/23/99	8260 B
Xylenes (meta + para)	nd	ppm	700	100	WilliamsJ	11/23/99	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: D070
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064518
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Ignitability (Closed Cup)	91	Fahrenheit			LozanoS	11/23/99	1010

SAMPLE RESULTS

CLIENT SAMPLE ID: D070
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064518
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Acrolein	nd R	ppm	1000	1000	WilliamsJ	11/23/99	8260 B
Acrylonitrile	nd	ppm	1000	1000	WilliamsJ	11/23/99	8260 B
Benzene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Bromobenzene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Bromochloromethane	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Bromodichloromethane	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Bromoform	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Bromomethane	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (normal)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (sec)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (tert)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Carbon disulfide	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Carbon Tetrachloride	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Chlorobenzene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Chloroethane	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Chloroform	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Chlorohexane (1)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Chloromethane	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Chlorotoluene (2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Chlorotoluene (4)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Cyclohexanone	nd R	ppm	5000	5000	WilliamsJ	11/23/99	8260 B
Dibromo-3-chloropropane (1,2)	nd	ppm	1500	1500	WilliamsJ	11/23/99	8260 B
Dibromochloromethane	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Dibromoethane (1,2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Dibromomethane	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichloro-2-butene (1,4)	nd	ppm	1500	1500	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,2)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,3)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,4)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichlorodifluoromethane	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,1)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (1,1)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichloroethene (c-1,2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (t-1,2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Dichlorofluoromethane	nd	ppm	250	250	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,3)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: D070
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064518
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropane (2,2)	nd	ppm	250	250	WilliamsJ	11/23/99	8260 B
Dichloropropene (1,1)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (c-1,3)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (t-1,3)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Diethyl ether	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Ethyl methacrylate	nd	ppm	250	250	WilliamsJ	11/23/99	8260 B
Ethylbenzene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Heptane (normal)	nd	ppm	250	250	WilliamsJ	11/23/99	8260 B
Hexachlorobutadiene	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Hexanone (2-)	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Iodomethane	nd	ppm	250	250	WilliamsJ	11/23/99	8260 B
Isopropylbenzene	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Isopropyltoluene (para)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Methyl Ethyl Ketone (MEK)	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Methyl methacrylate	nd	ppm	250	250	WilliamsJ	11/23/99	8260 B
lethylbutylether (tert) (MTBE)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Methylene chloride	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Naphthalene	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Propylbenzene (normal)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Styrene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,1,2)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,2,2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Tetrahydrofuran	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Toluene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
TPH (DRO/GRO)	nd	ppm	10000	10000	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,3)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,4)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,1)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,2)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Trichloroethene	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Trichlorofluoromethane	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Trichloropropane (1,2,3)	nd	ppm	250	250	WilliamsJ	11/23/99	8260 B
Trichlorotrifluoroethane	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,2,4)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,3,5)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Vinyl acetate	nd	ppm	500	500	WilliamsJ	11/23/99	8260 B
Vinyl Chloride	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B
Xylene (ortho)	nd	ppm	50	50	WilliamsJ	11/23/99	8260 B
Xylenes (meta + para)	nd	ppm	100	100	WilliamsJ	11/23/99	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: D041
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Water(Non DW)
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064519
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Formaldehyde	1610	ug/L	10	10	NoorbakhshS	12/7/99	8315

SAMPLE RESULTS

CLIENT SAMPLE ID: **UST-1**
CLIENT PROJECT: **SO5-9910-801**
SAMPLE TYPE: **Liquid Waste/Oils/Fuels**
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064520
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Ignitability (Closed Cup)	>201	Fahrenheit			LozanoS	11/23/99	1010

SAMPLE RESULTS

CLIENT SAMPLE ID: UST-1
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064520
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
SEMIVOLATILE ORGANICS .							
Acenaphthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Acenaphthylene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Aniline	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Anthracene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzidine	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Benzo(a)anthracene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(a)pyrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(b)fluoranthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(ghi)perylene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzo(k)fluoranthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Benzoic acid	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Benzyl alcohol	nd	mg/L	840	1000	DavisW	11/23/99	8270 C
Bis(2-chloroethoxy)methane	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Bis(2-chloroethyl)ether	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Bis(2-chloroisopropyl)ether	nd	mg/L	420	500	DavisW	11/23/99	8270 C
,is(2-ethylhexyl)phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Bromophenyl-phenylether (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Butyl benzyl phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chloro-3-methylphenol (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chloroaniline (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chloronaphthalene (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chlorophenol (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chlorophenyl phenyl ether (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Chrysene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Di-n-butylphthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Di-n-octylphthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dibenzo(a,h)anthracene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dibenzofuran	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,3)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzene (1,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorobenzidine (3,3')	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dichlorophenol (2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Diethyl phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dimethyl phthalate	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dimethylphenol (2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
`initrophenol (2,4)	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Dinitrotoluene (2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Dinitrotoluene (2,6)	nd	mg/L	420	500	DavisW	11/23/99	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: UST-1
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064520
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Diphenylhydrazine (1,2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Fluoranthene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Fluorene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachlorobenzene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachlorobutadiene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachlorocyclopentadiene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Hexachloroethane	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Indeno(1,2,3-cd)pyrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Isophorone	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Methyl-4,6-dinitrophenol (2)	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Methylnaphthalene (2)	5510	mg/L	420	500	DavisW	11/23/99	8270 C
Methylphenol (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Methylphenol (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Naphthalene	850	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroaniline (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroaniline (3)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
itroaniline (4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitrobenzene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitrophenol (2)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitrophenol (4)	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Nitroso-di-methylamine (normal)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroso-di-n-propylamine (normal)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Nitroso-di-phenylamine (normal)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Pentachlorophenol	nd	mg/L	2100	2500	DavisW	11/23/99	8270 C
Phenanthrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Phenol	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Pyrene	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Pyridine	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Trichlorobenzene (1,2,4)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Trichlorophenol (2,4,5)	nd	mg/L	420	500	DavisW	11/23/99	8270 C
Trichlorophenol (2,4,6)	nd	mg/L	420	500	DavisW	11/23/99	8270 C

SAMPLE RESULTS

CLIENT SAMPLE ID: UST-1
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064520
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
VOLATILE ORGANICS							
Acetone	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
Acrolein	nd	ppm	25000	1000	WilliamsJ	11/23/99	8260 B
Acrylonitrile	nd	ppm	25000	1000	WilliamsJ	11/23/99	8260 B
Benzene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Bromobenzene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Bromochloromethane	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Bromodichloromethane	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Bromoform	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Bromomethane	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (normal)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (sec)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Butylbenzene (tert)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Carbon disulfide	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Carbon Tetrachloride	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Chlorobenzene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Chloroethane	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Chloroform	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Chlorohexane (1)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Chloromethane	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
Chlorotoluene (2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Chlorotoluene (4)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Cyclohexanone	nd	ppm	125000	5000	WilliamsJ	11/23/99	8260 B
Dibromo-3-chloropropane (1,2)	nd	ppm	37500	1500	WilliamsJ	11/23/99	8260 B
Dibromochloromethane	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Dibromoethane (1,2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Dibromomethane	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichloro-2-butene (1,4)	nd	ppm	37500	1500	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,2)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,3)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichlorobenzene (1,4)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichlorodifluoromethane	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,1)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Dichloroethane (1,2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (1,1)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichloroethene (c-1,2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Dichloroethene (t-1,2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Dichlorofluoromethane	nd	ppm	6250	250	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Dichloropropane (1,3)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B

SAMPLE RESULTS

CLIENT SAMPLE ID: UST-1
CLIENT PROJECT: SO5-9910-801
SAMPLE TYPE: Liquid Waste/Oils/Fuels
Date Collected: 11/16/99

Report Date: 12/9/99
EIS Sample No: 064520
EIS Order No: 991100170
Date Received: 11/18/99

Parameter	Results	Units	SDL	MDL	Analyst	Test Date	Method
Dichloropropane (2,2)	nd	ppm	6250	250	WilliamsJ	11/23/99	8260 B
Dichloropropene (1,1)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (c-1,3)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Dichloropropene (t-1,3)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Diethyl ether	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
Ethyl methacrylate	nd	ppm	6250	250	WilliamsJ	11/23/99	8260 B
Ethylbenzene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Heptane (normal)	nd	ppm	6250	250	WilliamsJ	11/23/99	8260 B
Hexachlorobutadiene	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Hexanone (2-)	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
Iodomethane	nd	ppm	6250	250	WilliamsJ	11/23/99	8260 B
Isopropylbenzene	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Isopropyltoluene (para)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Methyl Ethyl Ketone (MEK)	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
Methyl Isobutyl Ketone (MIBK)	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
Methyl methacrylate	nd	ppm	6250	250	WilliamsJ	11/23/99	8260 B
lethylbutylether (tert) (MTBE)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Methylene chloride	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Naphthalene	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Propylbenzene (normal)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Styrene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,1,2)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Tetrachloroethane (1,1,2,2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Tetrachloroethene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Tetrahydrofuran	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
Toluene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
TPH (DRO/GRO)	967000	ppm	250000	10000	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,3)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Trichlorobenzene (1,2,4)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,1)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Trichloroethane (1,1,2)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Trichloroethene	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Trichlorofluoromethane	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Trichloropropane (1,2,3)	nd	ppm	6250	250	WilliamsJ	11/23/99	8260 B
Trichlorotrifluoroethane	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,2,4)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Trimethylbenzene (1,3,5)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
'inyl acetate	nd	ppm	12500	500	WilliamsJ	11/23/99	8260 B
inyl Chloride	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B
Xylene (ortho)	nd	ppm	1250	50	WilliamsJ	11/23/99	8260 B
Xylenes (meta + para)	nd	ppm	2500	100	WilliamsJ	11/23/99	8260 B